



NOAA Technical Memorandum NMFS F/NWC-11

A Summary of Foreign Pacific Whiting Catches and Trawl Positions in the Washington-California Region, 1977-1980

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and Janet Wall

July 1981

**U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service**

BIBLIOGRAPHIC DATA SHEET

1. NOAA ACCESSION NUMBER NOAA-81081102	2.	3. RECIPIENT'S ACCESSION NUMBER PB82 109554
4. TITLE AND SUBTITLE A Summary of Foreign Pacific Whiting Catches and Trawl Positions in the Washington-California Region, 1977-1980		5. REPORT DATE July 1981
7. AUTHOR(S) Kathleen D. Edwards, Thomas C. Dark, Robert French, Russell Nelson, Jr., and Janel Wall		8. REPORT NO. NOAA-TM-NMFS F/NWC-11
9. PERFORMING ORGANIZATION NAME AND ADDRESS NOAA, National Marine Fisheries Service, Seattle, WA 98115 Alaska and Northwest Fisheries Center		10. PROJECT/TASK NO.
12. SPONSORING ORGANIZATION NAME AND ADDRESS Same		11. CONTRACT/GRANT NO.
		13. TYPE OF REPORT AND PERIOD COVERED Tech. Memo.
		14.
15. PUBLICATION REFERENCE NOAA Technical Memorandum NMFS F/NWC-11, July 1981. 208 p, 1 fig, 4 ref, 4 append. Chiefly data tables and charts.		

16. ABSTRACT

The foreign Pacific whiting (hake), Merluccius productus, fishery began off the coasts of Washington, Oregon, and California in the early 1960's when Japanese and Soviet exploratory vessels appeared as an extension of their distant-water trawl fisheries in the Bering Sea and Gulf of Alaska. The original target species were Pacific whiting and Pacific ocean perch. Other nations eventually entered these fisheries, but a number of bilateral fishery agreements precluded continued directed fishing for Pacific ocean perch. The whiting fishery continued, but since enactment of the Magnuson Fishery Conservation and Management Act' (MFCMA) of 1976, only Soviet and Polish vessels have fished off the Washington-California coasts. The purpose of this document is to summarize and disseminate potentially useful foreign catch information gathered through the NMFS's observer program to assist domestic landbased and joint venture fishing industries in making investment decisions and formulating harvest strategies. By presenting specific catch-per unit-effort data (by year, area, and season) and catch composition data (by species and length composition), it is hoped the development of fisheries which are not, used or are underutilized by U.S. fishermen will be enhanced. (Author extracted)

17. KEY WORDS AND DOCUMENT ANALYSIS

17A. DESCRIPTORS

*Fisheries, *Statistics, Economics, Management

17B. IDENTIFIERS/OPEN-ENDED TERMS

U.S. West Coast, Catch/effort, Pacific whiting, Merluccius productus

17C. COSATI FIELD/GROUP

8A, 5C, 5A

18. AVAILABILITY STATEMENT

Released for distribution

Clair S. Downs

19. SECURITY CLASS
(This report)
UNCLASSIFIED

21. NO. OF PAGES
209 p.

20. SECURITY CLASS
(This report)
UNCLASSIFIED

22. PRICE

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TABLE OF CONTENTS

	<u>Page</u>
ACKNOWLEDGMENTS	7
INTRODUCTION	1
METHODS	2
DATA LIMITATIONS	3
LITERATURE CITED.	8
A P P E N D I C E S	9
Appendix A. Productive foreign fishing locations in the Washington to California Region, 1977-80	9
Appendix B. Foreign Pacific whiting catch rates and positions in the Washington to California Region, 1977-80	22
Appendix C. Cumulative length frequency curves for Pacific whiting	165
Appendix D. Species composition of foreign catches in the Washington to California Region, 1977-80	168

INTRODUCTION

The foreign Pacific whiting (hake), Merluccius productus, fishery began off the coasts of Washington, Oregon, and California in the early 1960's when Japanese and Soviet exploratory vessels appeared as an extension of their distant-water trawl fisheries in the Bering Sea and Gulf of Alaska (Hitz, 1970). The original target species were Pacific whiting and Pacific ocean perch, Sebastes alutus. Other nations eventually entered these fisheries, but a number of bilateral fishery agreements precluded continued directed fishing for Pacific ocean perch. The whiting fishery continued, but since enactment of the Magnuson Fishery Conservation and Management Act (MFCMA) of 1976, only Soviet and Polish vessels have fished off the Washington-California coasts.

Prior to the implementation of the MFCMA, a few U.S. observers were placed on foreign vessels only by invitation from the host country. One of the conditions of the MFCMA is that any foreign vessel fishing within the 200-mile fishery conservation zone must accept observers as requested. The purpose of placing observers on foreign vessels is to determine catch rates, species composition of the catch, the incidence of prohibited species (salmon, halibut, and crab), collect biological data from species of interest, and monitor adherence to U.S. fishing regulations. Data from this program are used to manage and protect the resource.

The purpose of this document is to summarize and disseminate potentially useful foreign catch information gathered through the National Marine Fisheries Service's observer program to assist domestic landbased and joint venture fishing industries in making investment decisions and formulating harvest strategies. By presenting specific catch-per-unit-effort data (by year, area, and season) and catch composition data (by species and length composition), we

hope to enhance the development of fisheries which are not used ~~or~~ are underutilized by U.S. fishermen (a major goal of the MFCMA).

METHODS

Data of U.S. observers collected during 1977-80 were used in this summarization. In 1977, 15 observers sampled aboard 26 of the 43 Soviet vessels and on 5 of 6 Polish vessels participating in the Pacific whiting fishery. The foreign fleet was reduced in 1978 and 16 observers sampled aboard 19 of the 28 Soviet vessels and 5 of the 6 Polish vessels in the fishery. Approximately the same observer effort was expended in 1979 when 17 observers sampled aboard 27 of the 38 Soviet vessels in the fishery and 5 observers were on 8 of the 11 Polish vessels that partook of the fishery. In 1980 only Poland fished for whiting and observers were aboard 14 of that country's 24 vessels.

Observer coverage of the foreign fleets (observer days/estimated vessel days on the grounds) amounted to about 26% in 1977, 36% in 1978, 34% in 1979, and 21% in 1980.

Because foreign catches are overwhelmingly dominated by Pacific whiting, species composition of a catch was usually determined by separating, counting, and weighing all the nontarget species and then obtaining the weight of the target species by subtraction of the weight of the other species from the total catch weight. Estimates of the catch weight were provided by the vessel's officers. The numbers of target species were then obtained by dividing the total weight of the species by the average weight per fish determined from a sample of the catch. If the catch was composed of a mixture of species in which Pacific whiting did not predominate, the observers determined the species composition of the catch by taking representative basket samples from various trawl hauls and then counting and weighing the individuals of each

species in the samples. The species composition of the haul and respective catch rates were subsequently estimated by extrapolating the subsample to the total estimated weight of the haul.

Further description and detail of observer sampling procedures and results of observer programs during 1977-78 are found in French et al, 1981; Nelson et al, 1981; and Wall et al, 1981 (In press).

Observer data are summarized for this report in several ways. Charts showing productive individual trawl locations by year, International North Pacific Fisheries Commission (INPFC) statistical areas (Figure 1), and season are presented in Appendix A. The fishing period was divided into an early season (season 1, June 1-August 15) and a late season (season 2, August 16-October 31). Locations where catch rates were less than or equal to 15,000 pounds per hour of trawling are designated with a "+" and sites where catch rates were greater than 15,000 pounds per hour are identified with a "0". Hauls with catch rates of 500 pounds per hour or less were excluded from the analysis. Appendix B contains catch rates for whiting listed by descending order of magnitude with associated data, position, depth, average size, and by-catch data. Appendix C presents cumulative fish length percentage curves for INPFC areas and seasons for the years 1977-80 combined. Finally, Appendix D contains tables showing catch species composition, catch rates, and average size information by year, season, INPFC area, and country.

DATA LIMITATIONS

The reader should be aware that the data presented herein are made available through a sampling program, are subject to normal sampling errors, and should be evaluated accordingly.

Sample Representativeness.

While every effort is made to train and deploy observers so that the data they collect will be representative of the foreign fishery, it cannot be assumed that "representativeness" was always achieved. The observer program could not place observers aboard all vessels for all of the fishing period. While it is believed that those vessels carrying observers usually operated as did vessels without observers, it cannot be demonstrated that they represent the remainder of the fleet in every aspect. However, observer coverage in the foreign whiting fleets ranged between 21 and 36% of all the vessel days on the grounds during 1977-80 and should provide a reasonable indication of fleet performance.

Geographic Distribution of Fishing Effort

The distribution of trawl effort displayed in this summary may be influenced by several factors so that it should not be assumed that it is entirely reflective of whiting distribution; Some areas are closed to foreign trawling (Figure 1) explaining the lack of trawl hauls in those areas. Another consideration mentioned before is the absence of 100% observer coverage and the possibility that some areas were actually fished but not included in this summary because observers were not aboard.

Catch Estimates and Position Accuracy

Because actual catches are estimates which are the result of extrapolation from observer samples and officer estimates of total catch weight, one should expect a certain error to be associated with species composition and catch rate estimates summarized here. Data gathered from observer vessels are extrapolated to large areas assuming that those vessels adequately represent all vessels

fishing in those areas. Considerable effort is directed at controlling sampling errors, however, and they are considered to be of an acceptable magnitude.

Readers should be especially cautious about using Loran C rates provided in the tables. Geodetic positions were provided by the vessels' officers and were then used to compute Loran C rates. The accuracy of the reported positions is unknown. Loran C values should be considered as approximate and used only as a general guide to productive trawling areas.

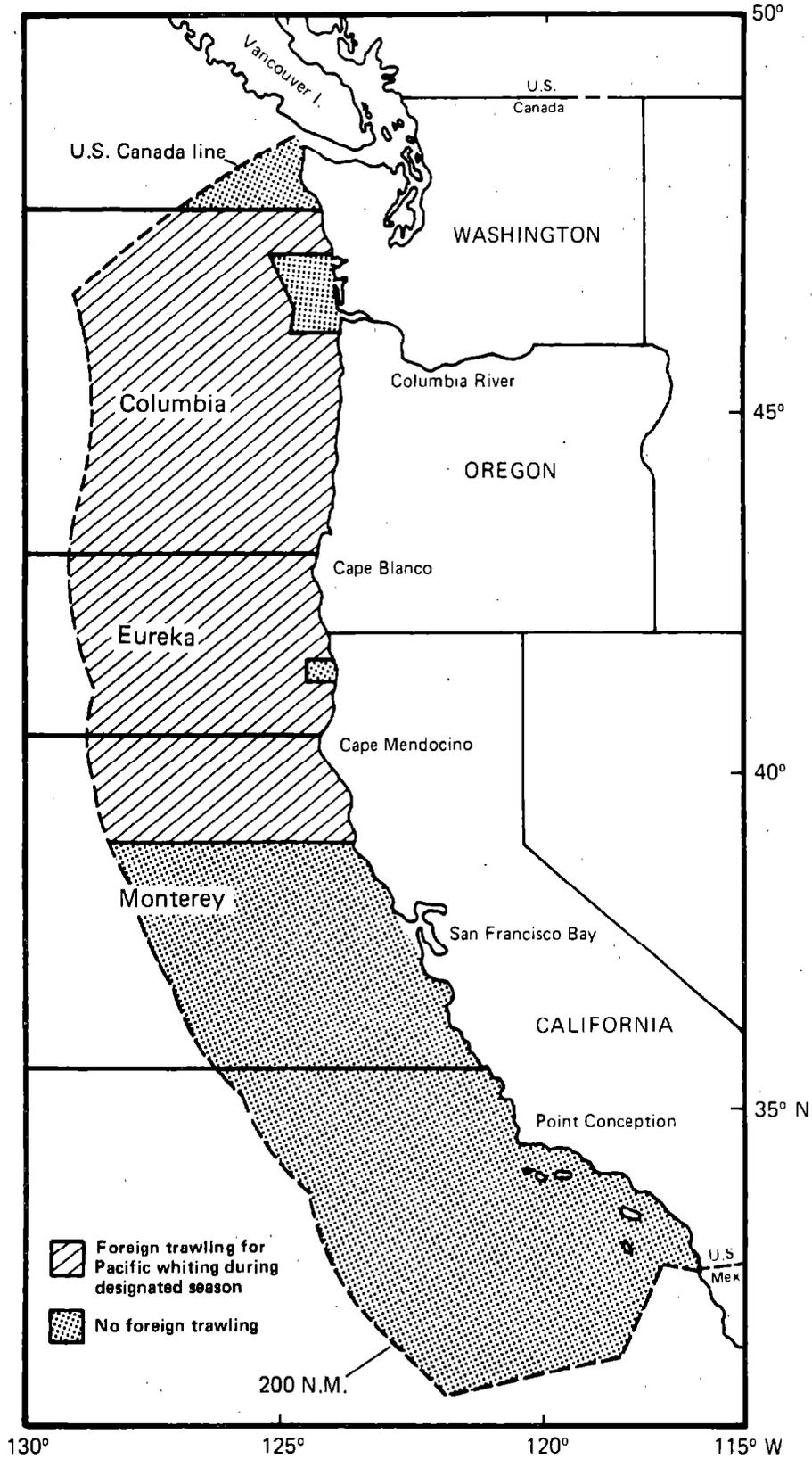


Figure 1. --Map showing International North Pacific Fisheries Commission (INPFC) statistical areas and regions closed to foreign trawling.

ACKNOWLEDGMENTS

The authors would like to express their gratitude to all those who were instrumental in the development of this report.

Special appreciation must go to Bruce Gibbs who was solely responsible for the computer programming and application which produced the data summaries herein.

Of course none of this would have been possible without the many who serve as observers collecting tremendous volumes of basic information, often under less than ideal conditions.

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Appendix A

Productive foreign fishing locations in the Washington to California region, 1977-80.

Figures

- A-1 Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1) and August 16-October 31 (season 21, 1977).
- A-2 Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 11, 1977).
- A-3 Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Eureka Area during August 16-October 31 (season 21, 1977).
- A-4 Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1) and August 16-October 31 (season 21, 1978).
- A-5 Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 11, 1978).
- A-6 Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1) and August 16-October 31 (season 21, 1979).
- A-7 Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 11, 1979).
- A-8 Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Eureka Area during August 16-October 31 (season 21, 1979).
- A-9 Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1) and August 16-October 31 (season 21, 1980).
- A-10 Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 11, 1980).

Appendix A (Cont'd)

Figures

A-11 Productive foreign fishing locations in the International
North Pacific Fisheries Commission (INPFC) Eureka Area
during August 16-October 31 (season 2), 1980.

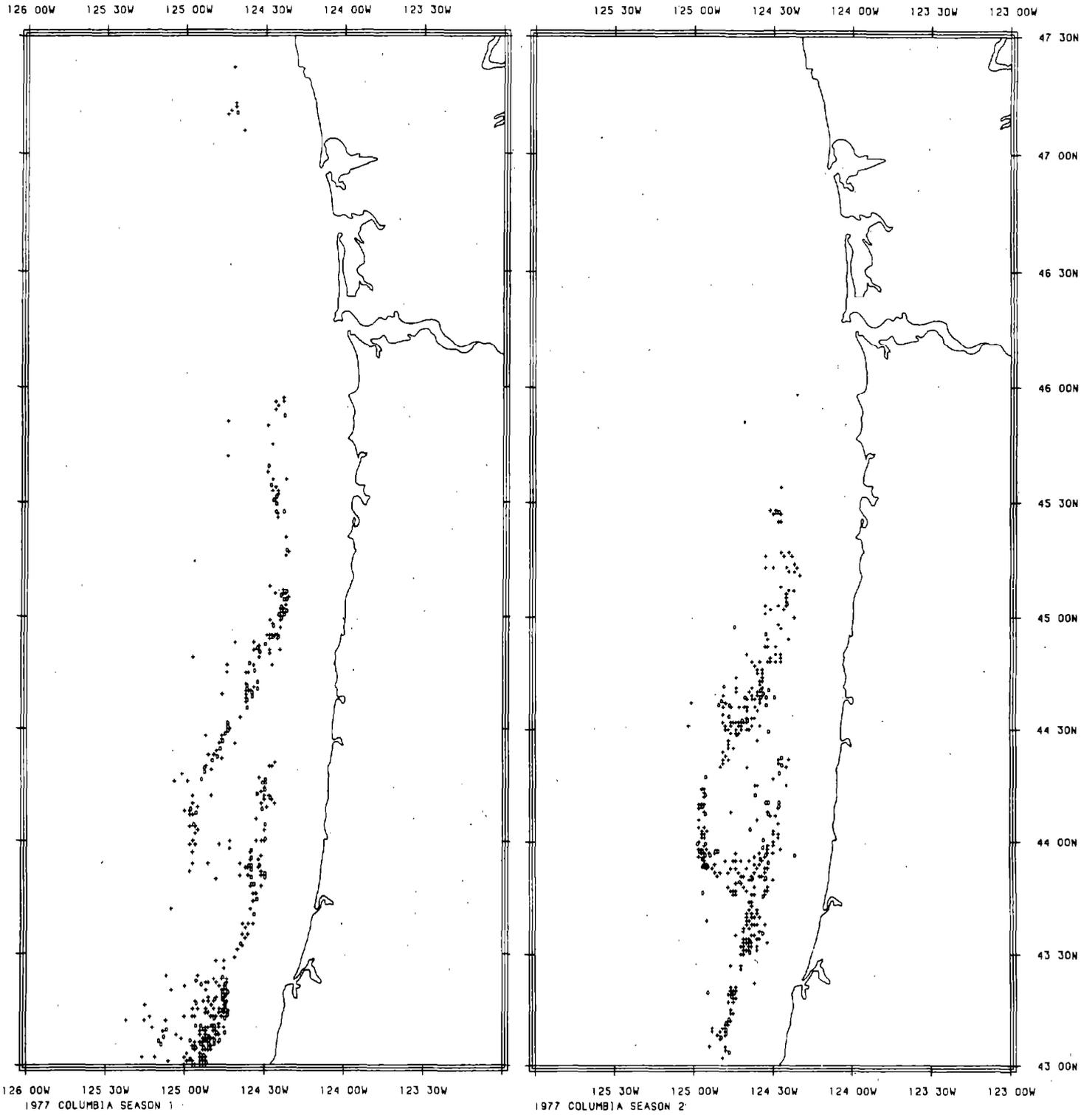


Figure A-1.--Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1) and August 16-October 31 (season 21, 1977).

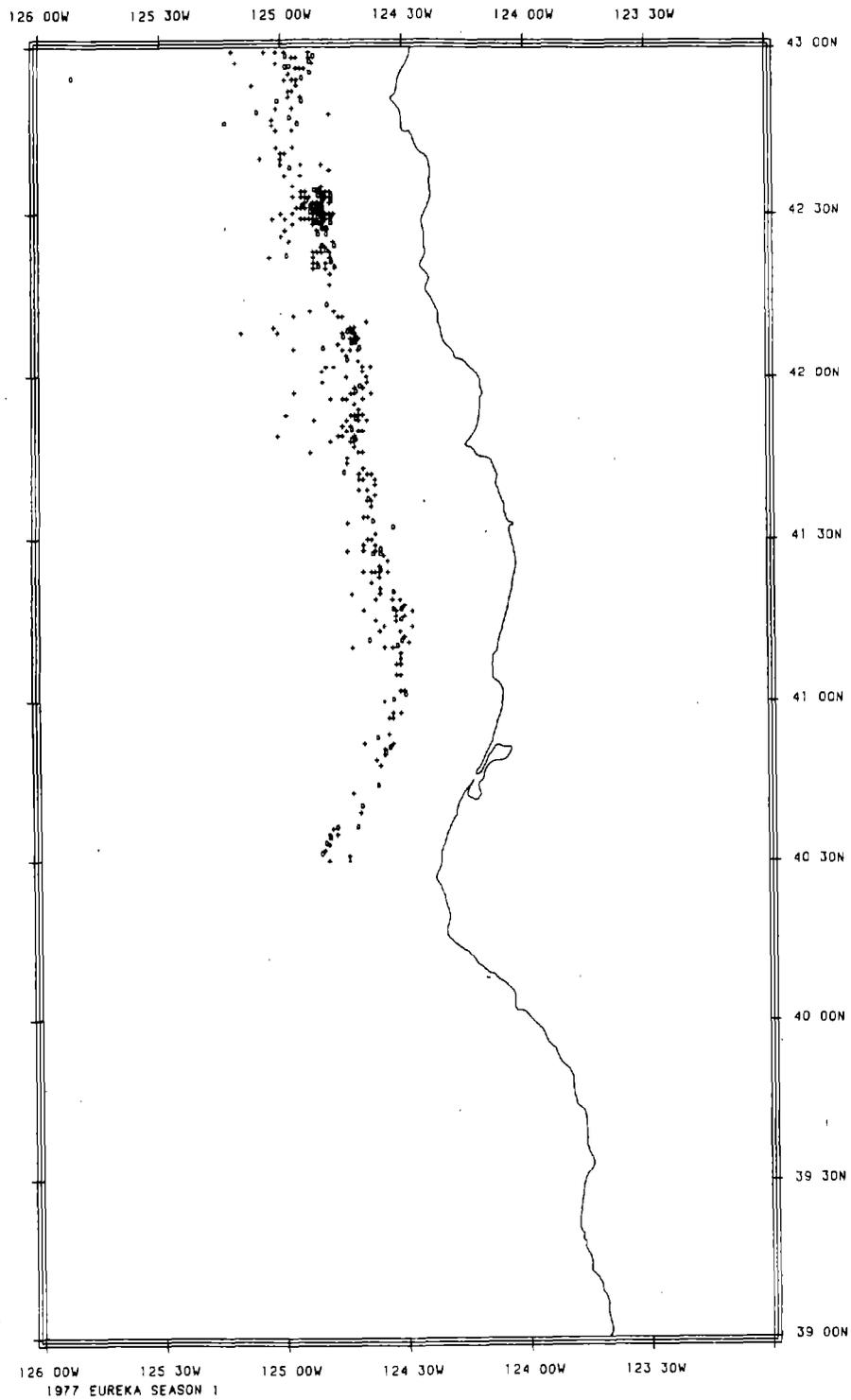


Figure A-2. --Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 11, 1977).

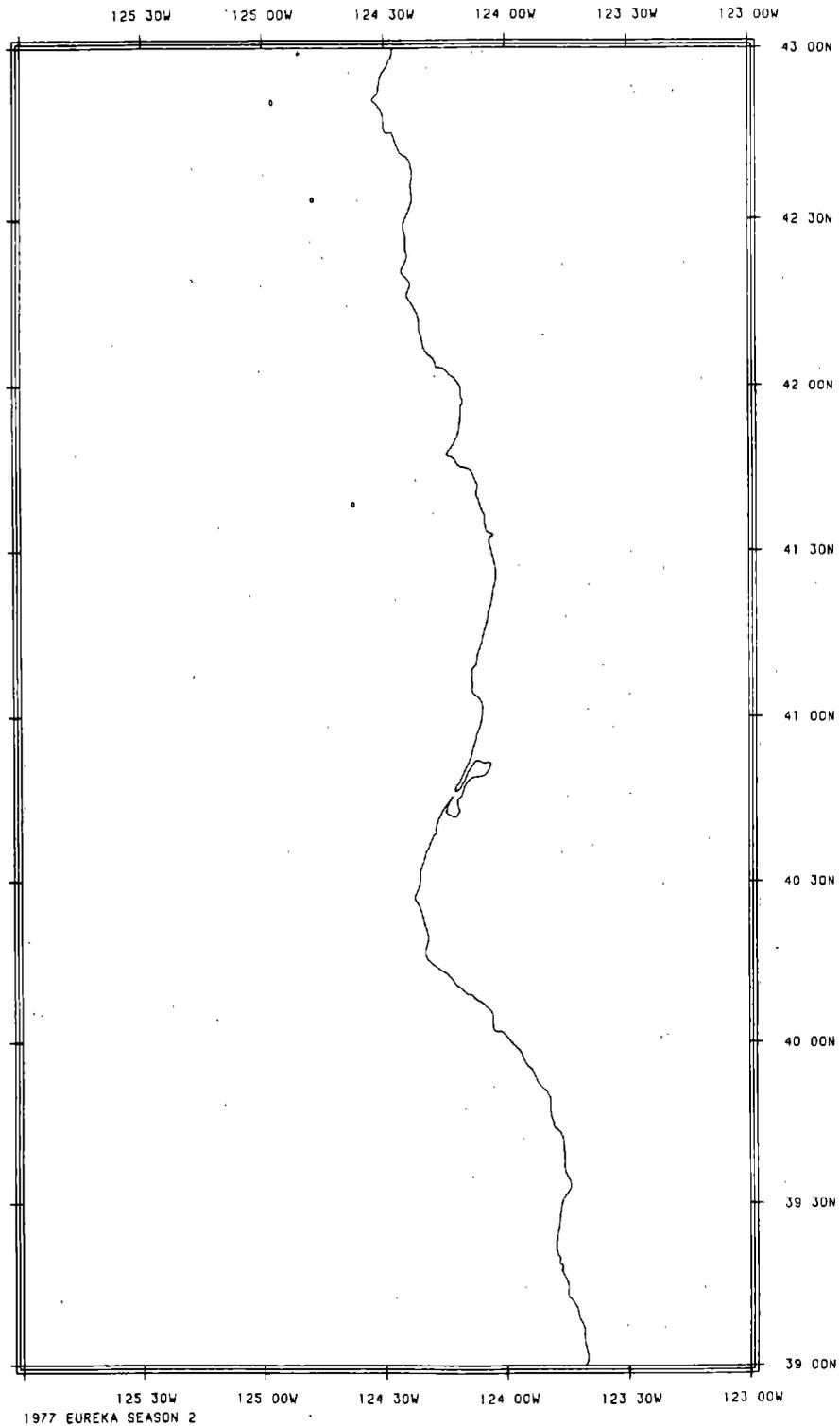


Figure A-3.--Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Eureka Area during August 16-October 31 (season 2), 1977.

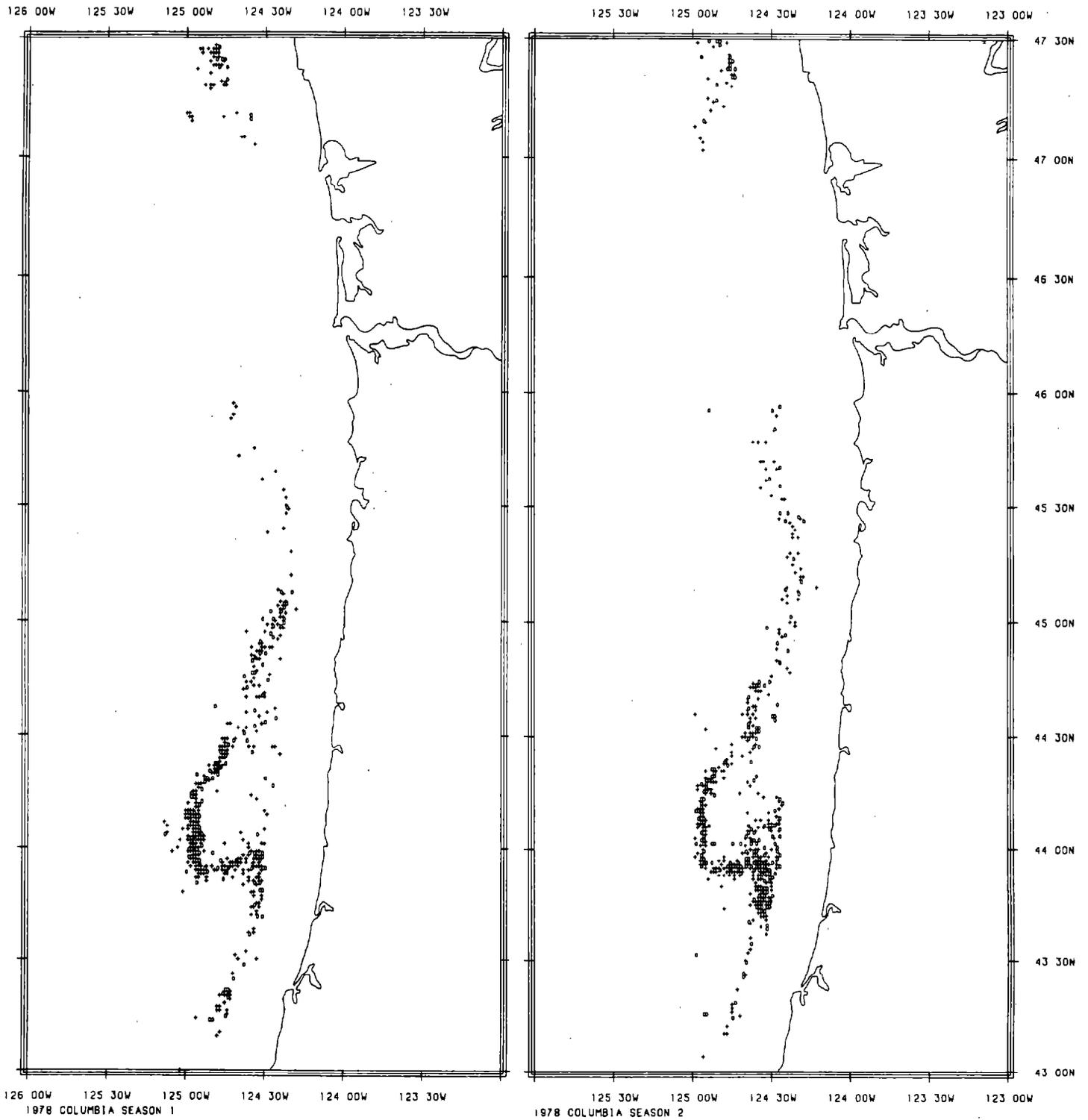


Figure A-4.--Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1) and August 16-October 31 (season 2), 1978.

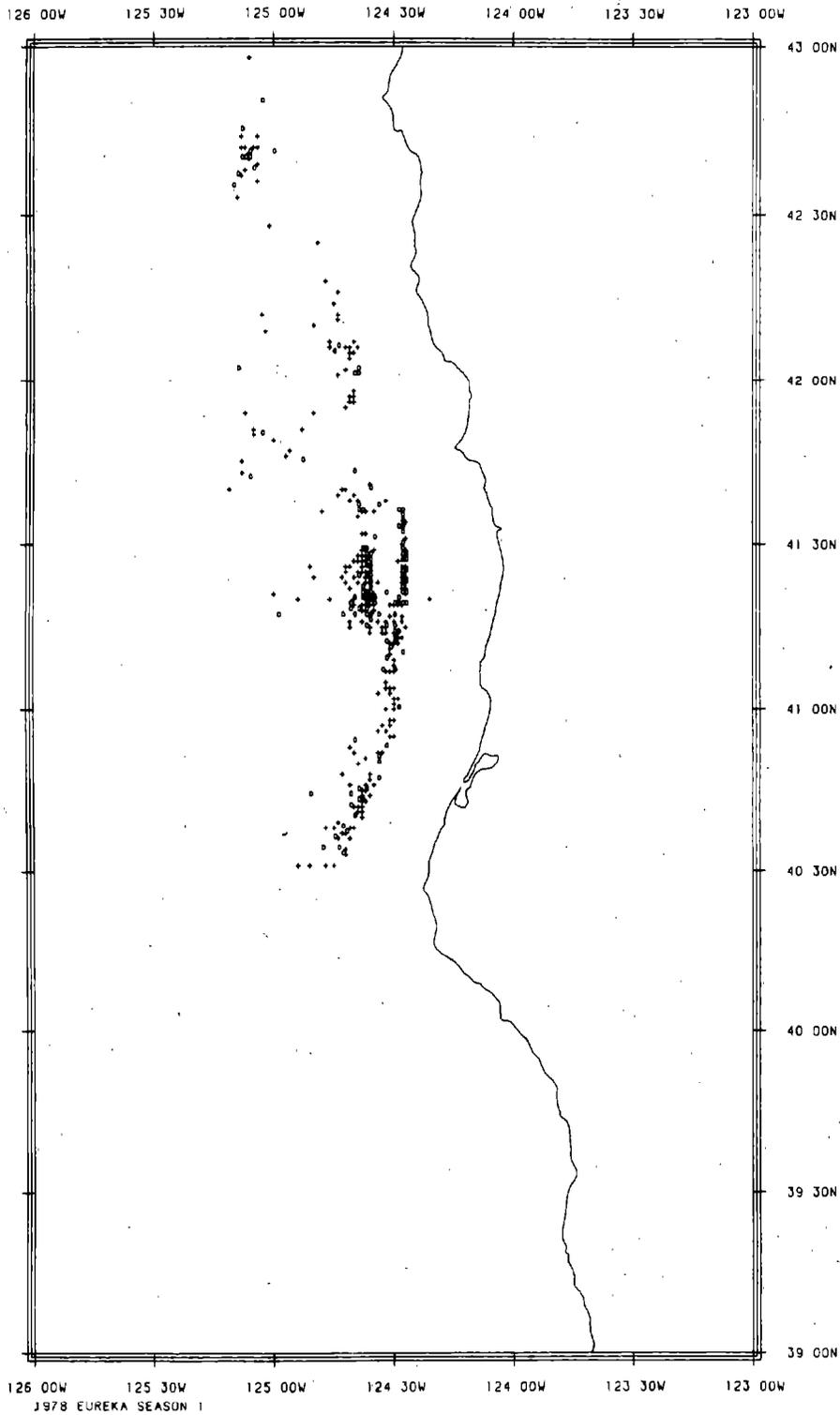


Figure A-5. --Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 1), 1978.

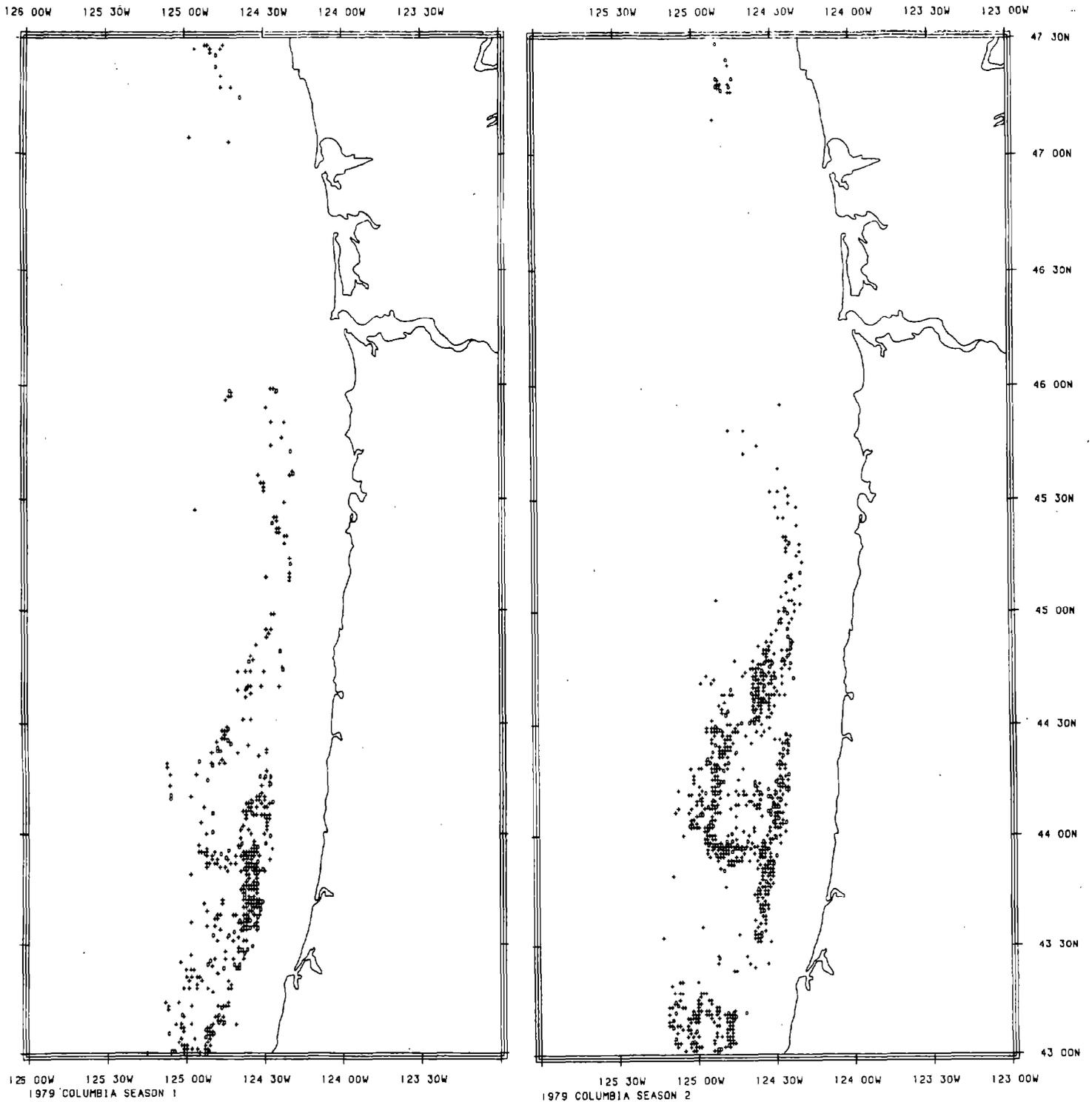


Figure A-6. --Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1) and August 16-October 31 (season 21, 1979).

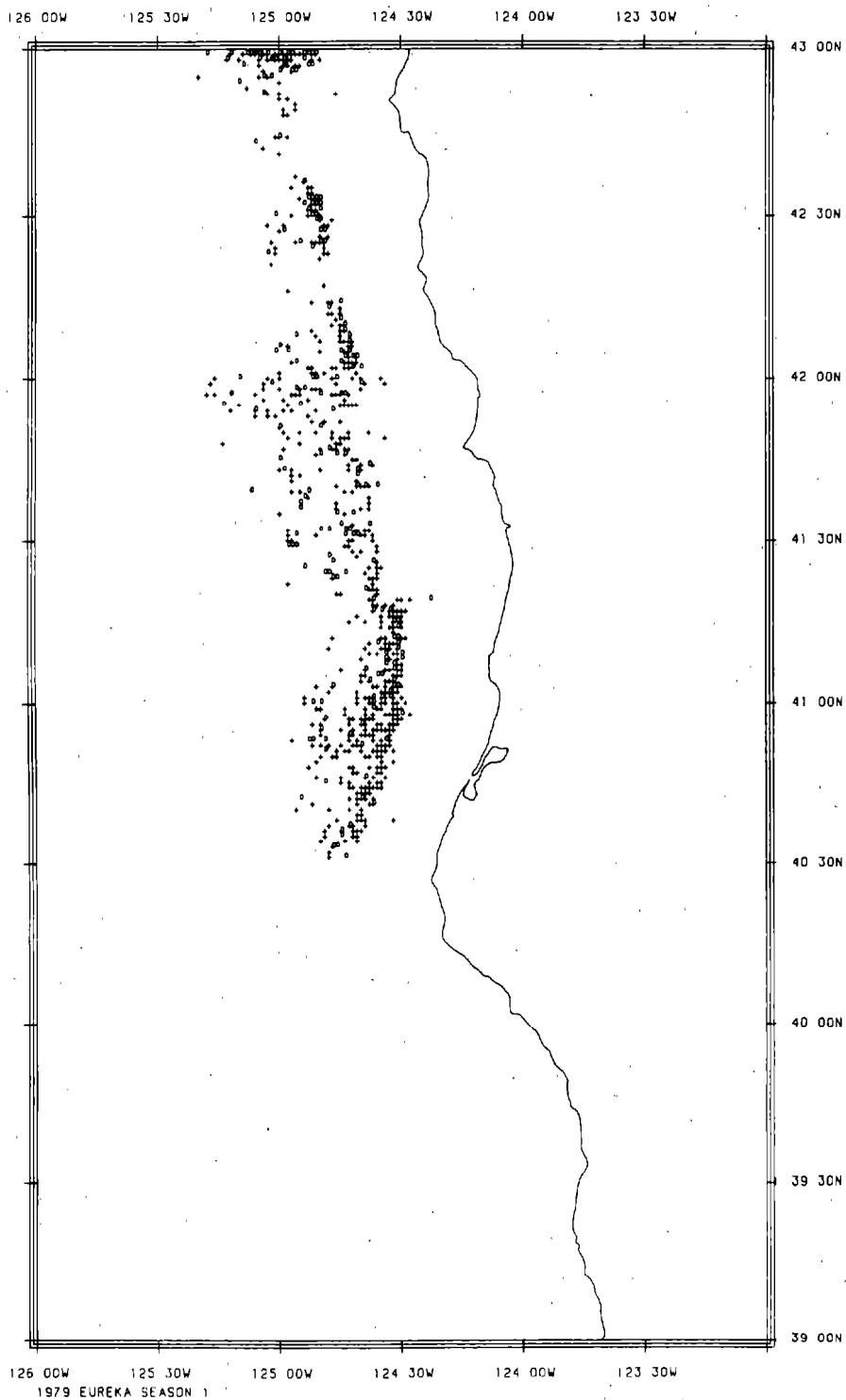


Figure A-7. --Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 11, 1979).

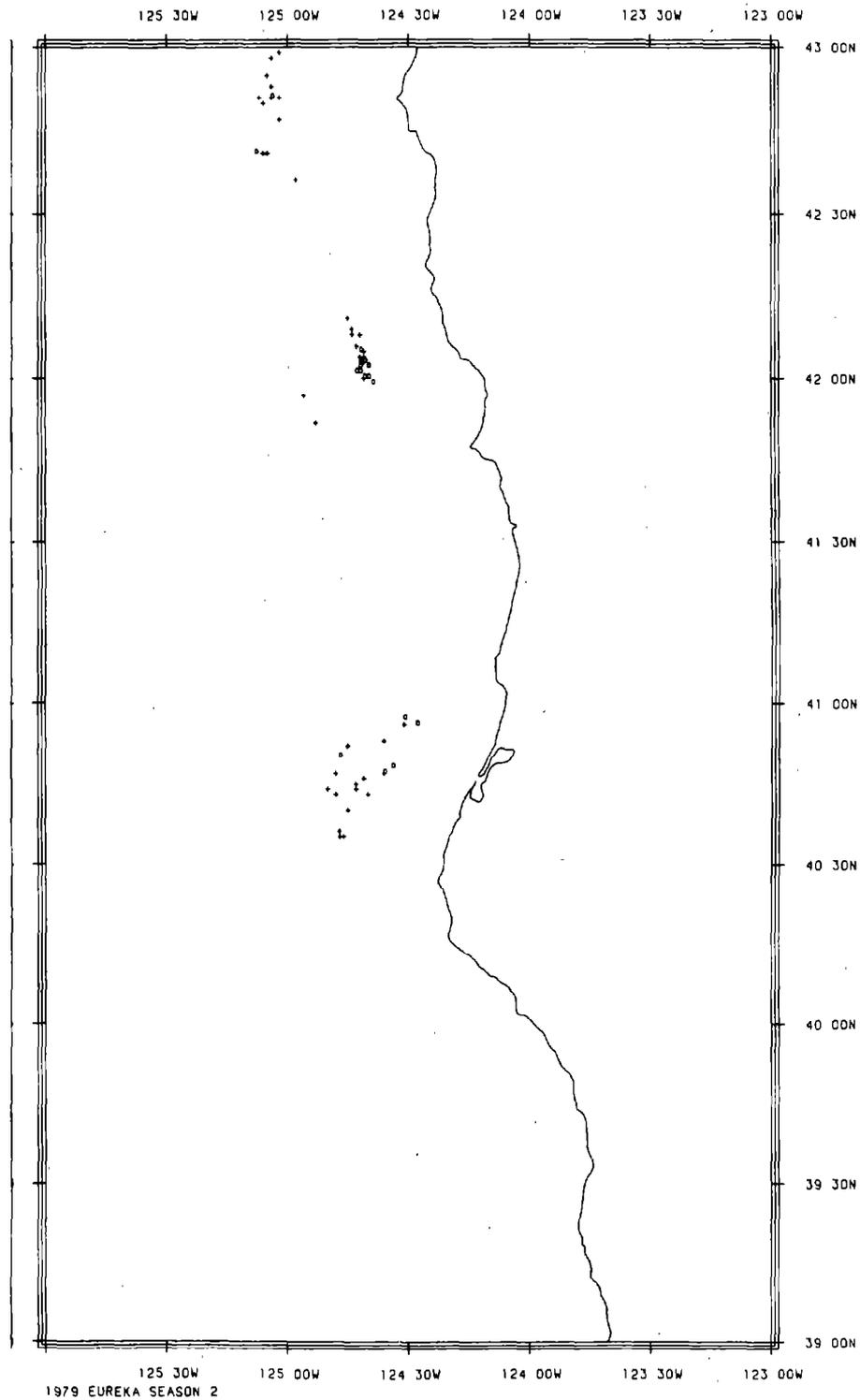


Figure A-8. --Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Eureka Area during August 16-October 31 (season 21, 1979).

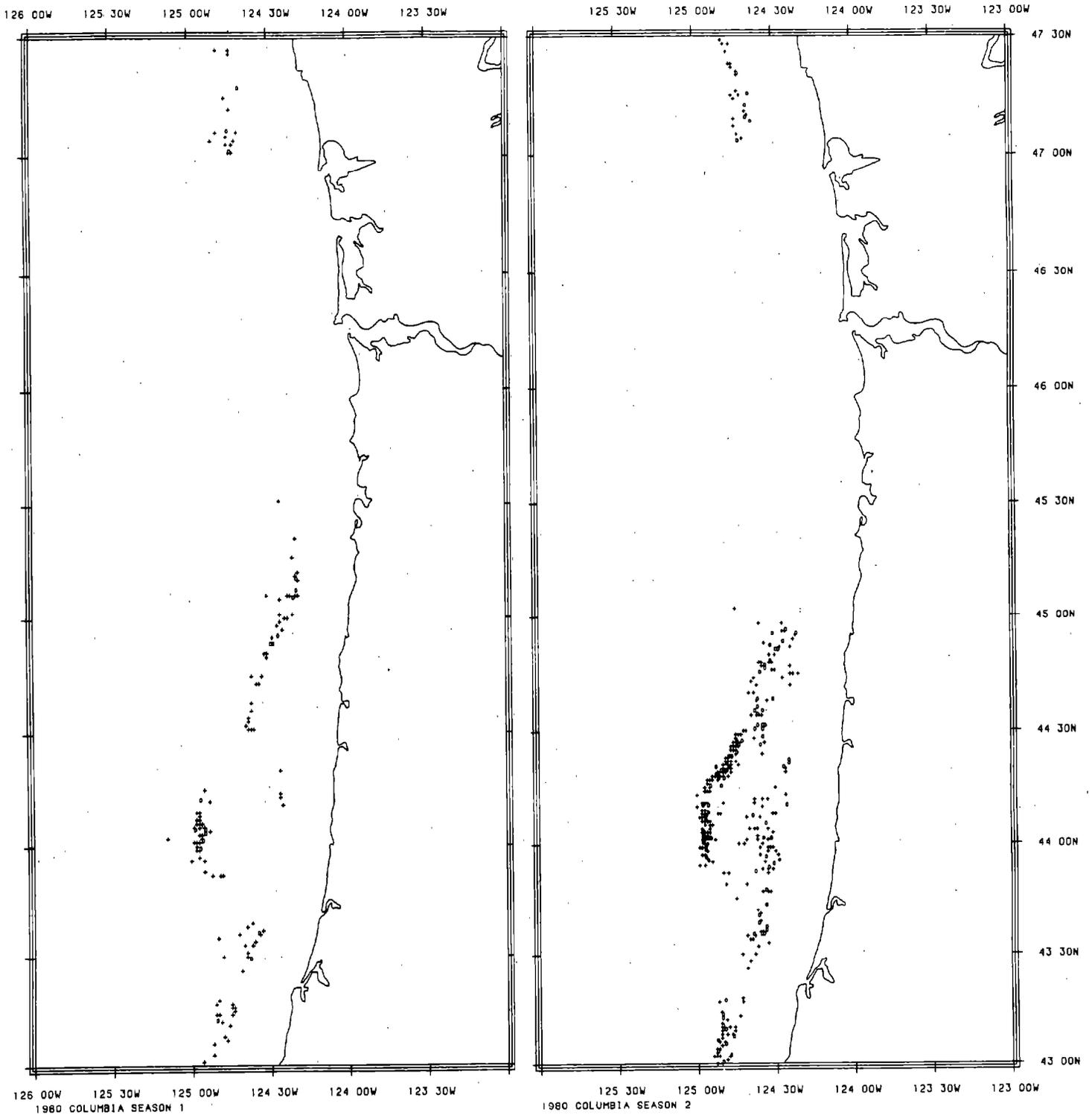


Figure A-9. --Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1) and August 16-October 31 (season 21, 1980).

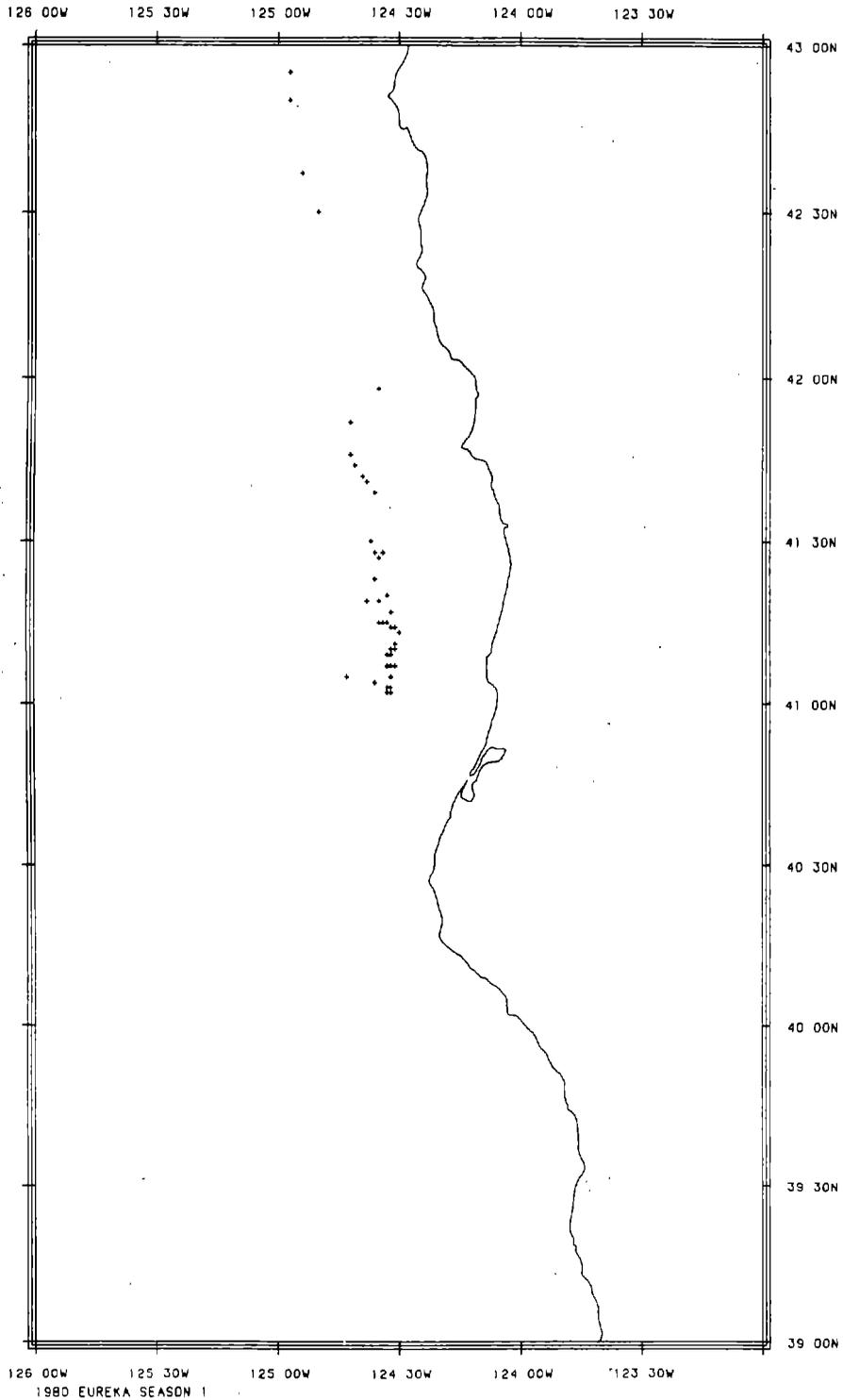


Figure A-10. --Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 11, 1980).

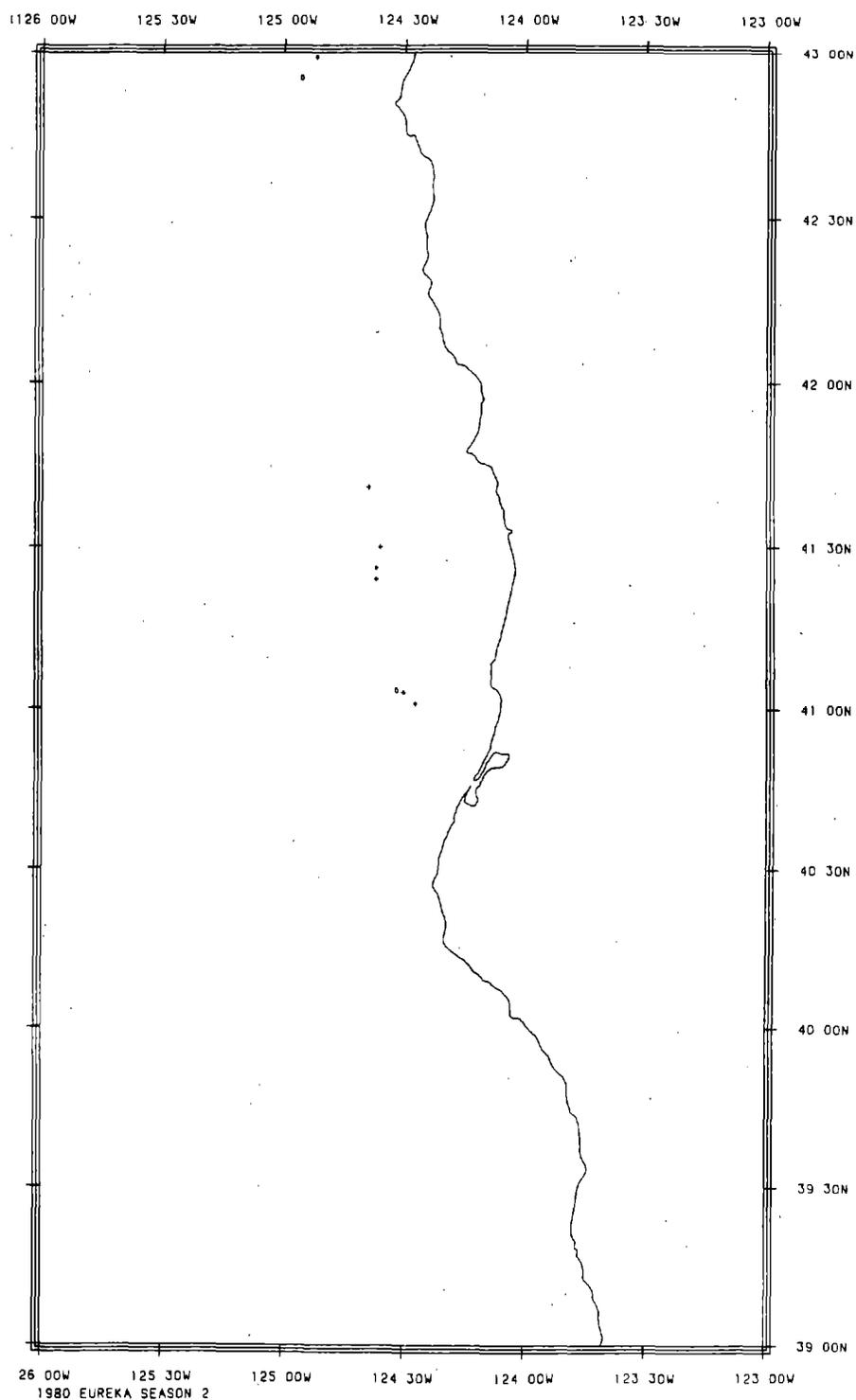


Figure A-11.--Productive foreign fishing locations in the International North Pacific Fisheries Commission (INPFC) Eureka Area during August 16-October 31 (season 21, 1980).

Appendix B

Foreign Pacific whiting catch rates and positions in the Washington to California region, 1977-80.

Table

- B-1 Foreign Pacific whiting catch rates and positions in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15, 1977-80.
- B-2 Foreign Pacific whiting catch rates and positions in the International North Pacific Fisheries Commission (INPFC) Columbia Area during August 16-October 31, 1977-80.
- B-3 Foreign Pacific whiting catch rates and positions in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15, 1977-80.
- B-4 Foreign Pacific whiting catch rates and positions in the International North Pacific Fisheries Commission (INPFC) Eureka Area during August 16-October 31, 1977-80.

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE		APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)	
	YYMMDD	LAT	LONG	9X	9Y	9Z	DEPTH (FMS)						HOURS TRAWLED
USSR	77 6 7	4312N	12445W	27715.5	43918.2	13606.3	82.	0.167	32965.	197.79	1.25	35.	33000.
POLAND	80 7 20	4404N	12455W	27790.6	43931.1	13167.6	85.	0.333	51964.	155.89	1.69	330.	52294.
USSR	79 7 20	4306N	12452W	27690.2	43913.7	13651.8	109.	0.333	40464.	121.39	1.76	16.	40480.
USSR	79 6 27	4351N	12434W	27807.7	43931.4	13277.7	82.	0.333	32900.	98.70	1.65	100.	33000.
USSR	79 7 21	4307N	12451W	27694.1	43914.5	13644.1	109.	0.500	47268.	94.54	1.76	32.	47300.
POLAND	80 7 6	4701N	12444W	28013.3	43914.7	11867.4	55.	0.333	26400.	79.20	1.83	0.	26400.
USSR	77 6 7	4419N	12453W	27817.7	43933.4	13043.4	137.	0.417	32960.	79.10	1.46	40.	33000.
USSR	77 6 7	4416N	12454W	27811.4	43932.9	13068.3	137.	0.417	32958.	79.10	1.59	42.	33000.
POLAND	77 8 14	4348N	12435W	27800.8	43930.7	13303.4	71.	0.750	54978.	73.30	1.58	22.	55000.
USSR	79 6 7	4355N	12434W	27914.3	43932.0	13243.3	76.	0.667	47300.	70.95	1.72	0.	47300.
USSR	77 6 6	4428N	12445W	27845.1	43934.5	12966.3	137.	0.583	39600.	67.89	1.58	0.	39600.
USSR	77 6 21	4318N	12446W	27725.4	43920.4	13555.1	93.	0.750	50584.	67.45	1.36	16.	50600.
USSR	77 8 14	4305N	12451W	27690.0	43913.5	13660.8	82.	0.667	44000.	66.00	1.51	0.	44000.
POLAND	77 8 12	4407N	12456W	27793.7	43931.5	13142.9	109.	1.000	65968.	65.97	1.61	32.	66000.
USSR	77 7 9	4440N	12433W	27883.0	43934.8	12860.6	100.	0.500	32933.	65.87	1.71	67.	33000.
POLAND	78 7 13	4709N	12436W	28030.5	43910.6	11807.9	49.	0.500	32926.	65.85	1.56	74.	33000.
USSR	79 8 9	4323N	12440W	27746.5	43923.5	13515.9	120.	0.667	43884.	65.83	1.89	116.	44000.
USSR	78 6 5	4436N	12434W	27815.2	43934.9	12894.6	101.	0.667	43765.	65.65	1.47	235.	44000.
USSR	77 8 15	4350N	12435W	27804.1	43931.1	13286.2	55.	0.500	32810.	65.62	1.55	190.	33000.
POLAND	79 8 11	4418N	12450W	27821.5	43933.5	13050.8	77.	0.167	10921.	65.52	1.78	79.	11000.
USSR	79 7 8	4415N	12432W	27849.3	43934.3	13071.6	57.	0.667	41333.	62.00	1.85	28.	41360.
USSR	77 6 15	4527N	12423W	27957.1	43929.8	12468.3	98.	0.833	50513.	60.62	1.56	87.	50600.
USSR	77 8 14	4306N	12451W	27692.1	43914.0	13652.5	164.	0.917	55000.	60.00	1.63	0.	55000.
USSR	79 7 23	4308N	12448W	27701.8	43915.7	13637.9	98.	0.500	28565.	57.13	1.74	35.	28600.
USSR	79 6 8	4542N	12420W	27977.7	43926.6	12347.8	77.	0.500	28453.	56.91	1.61	147.	28600.
USSR	77 7 4	4411N	12428W	27850.8	43934.3	13105.2	66.	0.583	33000.	56.57	1.73	0.	33000.
USSR	78 7 30	4358N	12457W	27777.2	43929.8	13217.3	66.	0.583	32795.	56.22	1.69	205.	33000.
POLAND	80 7 8	4453N	12429W	27907.1	43934.2	12749.7	137.	1.250	69705.	55.76	1.72	35.	69740.
USSR	78 6 14	4357N	12458W	27773.8	43929.4	13225.5	93.	0.750	41181.	54.91	1.36	2819.	44000.
USSR	77 6 16	4459N	12424W	27923.2	43933.4	12696.0	82.	1.667	88000.	52.80	1.76	0.	88000.
USSR	79 6 7	4415N	12426W	27856.8	43934.5	13070.7	52.	0.833	44000.	52.80	1.63	0.	44000.
USSR	78 6 28	4405N	12457W	27788.8	43931.1	13159.5		0.917	48317.	52.71	1.58	83.	48400.
USSR	77 6 19	4504N	12423W	27931.0	43932.8	12653.8	159.	0.833	43246.	51.90	1.53	754.	44000.
USSR	77 6 17	4501N	12422W	27929.1	43933.0	12677.7	82.	0.917	46183.	50.38	1.63	17.	46200.
USSR	77 6 20	4332N	12439W	27765.1	43926.4	13439.5	71.	0.750	37359.	49.81	1.76	41.	37400.
USSR	78 6 27	4353N	12500W	27763.5	43928.2	13258.4		0.750	37354.	49.81	1.46	46.	37400.
USSR	78 7 28	4358N	12431W	27824.9	43932.8	13217.6	77.	0.667	32982.	49.47	1.56	16.	33000.
USSR	77 6 13	4430N	12444W	27849.8	43934.6	12949.3	115.	0.667	32976.	49.46	1.58	24.	33000.
USSR	78 6 7	4456N	12427W	27916.8	43933.7	12706.8	148.	1.000	48394.	48.39	1.53	6.	48400.
USSR	79 6 22	4324N	12442W	27744.5	43923.4	13506.4	66.	0.917	43993.	47.99	1.63	7.	44000.
USSR	78 6 28	4356N	12457W	27713.9	43929.3	13233.8	82.	0.917	43902.	47.89	1.47	98.	44000.
USSR	79 7 28	4324N	12452W	27725.7	43921.2	13501.6	55.	1.833	87777.	47.88	1.34	3.	87780.
USSR	77 8 14	4304N	12453W	27684.2	43912.5	13667.6	85.	0.833	39574.	47.49	1.48	26.	39600.
POLAND	77 7 2	4302N	12453W	27680.1	43911.5	13684.2	66.	0.583	27500.	47.14	1.41	0.	27500.
POLAND	79 7 28	4424N	12443W	27842.9	43934.4	12998.8	77.	0.500	22415.	44.83	1.78	245.	22660.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--Foreign Pacific whiting catch rates and positions in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15, 1977-80.

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	77 613	4422N	12448W	27831.0	43934.0	13017.1	101.	1.000	44000.	44.00	1.47	0.	44000.
USSR	77 616	4501N	12424W	27925.7	43933.2	12679.5	93.	1.250	54985.	43.99	1.50	15.	55000.
USSR	78 610	4402N	12459W	27780.4	43930.3	13184.3	230.	1.000	43984.	43.98	1.47	16.	44000.
USSR	78 7 5	4313N	12451W	27706.2	43917.1	13594.1	87.	1.250	54973.	43.98	1.50	27.	55000.
USSR	77 614	4441N	12437W	27877.4	43934.9	12854.6	109.	1.000	43965.	43.96	1.54	35.	44000.
USSR	77 616	4437N	12437W	27871.9	43934.9	12887.8	131.	0.500	21981.	43.96	1.66	19.	22000.
USSR	78 717	4348N	12432W	27806.5	43931.1	13303.9	68.	0.750	32947.	43.93	1.39	53.	33000.
USSR	78 620	4455N	12427W	27913.1	43933.9	12731.6		1.000	43929.	43.93	1.44	71.	44000.
POLAND	77 615	4305N	12449W	27693.9	43914.1	13662.3	87.	0.833	35548.	42.66	1.41	92.	35640.
USSR	77 6 9	4318N	12445W	27727.3	43920.6	13555.7	115.	0.417	17588.	42.21	1.28	12.	17600.
USSR	78 714	4356N	12432W	27819.7	43932.4	13234.8	60.	0.417	17562.	42.15	1.50	38.	17600.
USSR	77 623	4413N	12430W	27850.1	43934.3	13088.4	55.	0.750	31458.	41.94	1.61	1542.	33000.
USSR	79 8 8	4327N	12436W	27757.8	43925.1	13482.7	93.	1.583	65941.	41.65	2.02	59.	66000.
USSR	78 6 7	4454N	12432W	27903.1	43934.3	12743.8	150.	1.333	54976.	41.23	1.39	24.	55000.
USSR	77 612	4424N	12447W	27935.7	43934.2	13000.2	153.	1.083	44000.	40.62	1.56	0.	44000.
USSR	77 629	4320N	12428W	27764.4	43925.0	13548.0	104.	1.667	66000.	39.60	1.96	0.	66000.
USSR	77 7 1	4404N	12430W	27836.3	43933.5	13165.8	71.	0.833	32994.	39.59	1.64	6.	33000.
USSR	77 622	4315N	12445W	27721.5	43919.4	13581.0	87.	0.833	32992.	39.59	1.43	8.	33000.
USSR	78 625	4353N	12452W	27777.8	43929.4	13259.1	109.	0.833	32986.	39.58	1.43	14.	33000.
USSR	78 611	4451N	12430W	27902.8	43934.3	12767.0	98.	0.833	32952.	39.54	1.74	48.	33000.
USSR	78 610	4434N	12426W	27887.5	43934.9	12907.4	33.	0.833	32837.	39.40	1.65	163.	33000.
USSR	78 6 9	4353N	12436W	27815.4	43932.3	13217.5	9.	0.667	26254.	39.38	1.48	146.	26400.
USSR	79 812	4419N	12456W	27812.5	43933.1	13044.2	82.	0.833	32672.	39.21	1.63	328.	33000.
POLAND	79 8 6	4449N	12424W	27910.8	43934.2	12779.4	60.	0.417	16283.	39.08	2.00	1317.	17600.
USSR	79 724	4558N	12443W	27957.8	43927.7	12264.1	156.	1.417	54997.	38.82	1.69	3.	55000.
USSR	78 625	4354N	12444W	27794.0	43930.7	13251.2	109.	1.417	54987.	38.81	1.47	13.	55000.
USSR	78 729	4400N	12457W	27780.6	43930.2	13200.8	77.	0.833	32340.	38.81	1.56	0.	32340.
USSR	79 725	4335N	12434W	27780.1	43928.1	13415.6	87.	2.333	89955.	38.55	1.31	25.	89980.
USSR	78 712	4724N	12446W	28028.5	43909.4	11751.6	55.	1.167	44000.	37.71	1.61	0.	44000.
USSR	78 725	4319N	12444W	27731.2	43921.2	13547.8	164.	1.750	65990.	37.71	1.41	10.	66000.
USSR	79 731	4410N	12506W	27781.3	43930.9	13119.6	109.	0.583	21989.	37.70	1.74	11.	22000.
USSR	79 610	4329N	12435W	27767.3	43926.3	13466.8	109.	1.167	43876.	37.61	1.95	124.	44000.
USSR	78 712	4718N	12446W	28024.9	43910.9	11781.5	93.	1.163	43535.	36.79	1.55	468.	44000.
USSR	77 623	4306N	12449W	27695.8	43914.6	13653.9	85.	1.083	39597.	36.55	1.50	3.	39600.
USSR	78 729	4359N	12457W	27778.9	43930.0	13209.0	82.	0.750	27394.	36.53	1.47	106.	27500.
USSR	77 813	4301N	12454W	27676.1	43910.7	13691.7	98.	0.917	33000.	36.00	1.40	0.	33000.
USSR	77 612	4502N	12424W	27926.9	43933.1	12671.2	150.	0.917	32964.	35.96	1.54	36.	33000.
USSR	79 720	4536N	12419W	27973.2	43927.7	12392.7	60.	1.000	35812.	35.81	1.78	1148.	36960.
POLAND	80 729	4336N	12435W	27780.0	43923.2	13406.6	96.	2.083	73918.	35.48	1.61	222.	74140.
USSR	77 614	4517N	12422W	27947.7	43931.1	12546.9	159.	0.750	26400.	35.20	1.51	88.	26488.
USSR	77 610	4319N	12444W	27731.2	43921.2	13547.8	115.	0.750	26392.	35.19	1.32	8.	26400.
USSR	78 622	4502N	12424W	27926.9	43933.1	12671.2		1.000	35143.	35.14	1.45	57.	35200.
POLAND	77 815	4350N	12430W	27813.7	43931.7	13286.8	55.	2.083	72669.	34.88	1.62	151.	72820.
USSR	78 810	4444N	12429W	27895.5	43934.6	12824.7	49.	1.000	33000.	33.00	1.64	0.	33000.
USSR	77 623	4306N	12447W	27699.6	43915.1	13655.4	98.	1.000	32984.	32.98	1.52	16.	33000.

NOTE THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION...

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	5Y	9Z							
USSR	79 610	4336N	12437W	27776.1	43527.6	13406.0	104.	1.000	32982.	32.98	1.94	18.	33000.
USSR	77 716	4439N	12435W	27878.2	43934.9	12870.0	123.	0.333	10989.	32.97	1.67	11.	11000.
USSR	79 722	4308N	12446W	27705.6	43915.3	13639.3	104.	1.333	43955.	32.97	1.80	45.	44000.
USSR	77 022	4710N	12441W	28024.5	43911.7	11812.7	59.	1.000	32851.	32.85	2.02	149.	33000.
POLAND	79 811	4418N	12450W	27821.5	43933.5	13050.8	82.	0.333	10924.	32.77	1.83	76.	11000.
POLAND	77 621	4303N	12509W	27657.3	43908.4	13647.9	82.	0.917	29566.	32.25	1.32	134.	29700.
USSR	79 612	4415N	12430W	27853.0	43934.4	13071.2	49.	0.750	24179.	32.24	1.63	21.	24200.
USSR	78 8 9	4432N	12434W	27870.3	43934.9	12928.2	60.	0.750	24101.	32.13	1.67	99.	24200.
USSR	77 624	4421N	12450W	27826.0	43933.8	13026.0	109.	0.683	21902.	32.05	1.70	98.	22000.
USSR	79 624	4300N	12506W	27652.2	43906.6	13690.6	109.	1.083	34320.	31.68	1.83	0.	34320.
USSR	77 612	4430N	12444W	27849.8	43934.6	12949.3	169.	0.833	26400.	31.68	1.56	0.	26400.
USSR	77 614	4445N	12434W	27868.0	43934.7	12819.5	93.	1.750	54941.	31.39	1.56	59.	55000.
USSR	79 715	4408N	12435W	27833.1	43933.6	13132.0	57.	1.667	52138.	31.28	1.67	2.	52140.
USSR	79 610	4356N	12433W	27817.8	43932.3	13234.8	96.	1.417	43982.	31.05	1.85	18.	44000.
USSR	77 617	4500N	12423W	27926.2	43933.2	12686.9	82.	1.417	43969.	31.04	1.78	31.	44000.
USSR	79 711	4350N	12435W	27804.1	43931.1	13286.2	98.	1.500	46191.	30.79	1.69	229.	46420.
USSR	78 810	4412N	12454W	27805.2	43932.4	13101.3	60.	1.417	43513.	30.71	1.52	487.	44000.
USSR	78 728	4356N	12456W	27775.7	43929.5	13233.9	93.	1.000	30674.	30.67	1.56	127.	30800.
USSR	77 617	4457N	12427W	27915.5	43933.8	12715.0	109.	1.563	48382.	30.56	1.58	18.	48400.
USSR	77 815	4304N	12451W	27688.0	43913.1	13669.1	82.	1.083	33000.	30.46	1.51	0.	33000.
USSR	79 616	4413N	12457W	27801.5	43932.3	13093.6		1.083	32976.	30.44	1.32	22.	33000.
USSR	77 623	4308N	12448W	27701.9	43915.7	13637.9	98.	1.083	32898.	30.37	1.52	102.	33000.
USSR	79 611	4358N	12425W	27955.5	43924.6	12236.1	55.	1.083	32516.	30.01	1.61	484.	33000.
USSR	79 6 6	4406N	12430W	27836.3	43933.5	13165.8	45.	0.917	26998.	29.45	1.72	62.	27060.
USSR	78 7 2	4459N	12423W	27925.0	43933.3	12695.1	109.	1.833	53908.	29.40	1.47	1092.	55000.
USSR	77 815	4317N	12449W	27917.8	43919.3	13561.8	219.	0.750	21991.	29.32	1.78	9.	22000.
USSR	78 6 6	4503N	12423W	27929.8	43932.9	12662.1	14.	1.500	43969.	29.31	1.46	31.	44000.
USSR	77 614	4440N	12437W	27876.0	43934.9	12862.9	120.	1.500	43955.	29.30	1.72	45.	44000.
USSR	78 6 9	4357N	12431W	27823.2	43932.6	13226.2	60.	0.583	17083.	29.29	1.44	517.	17600.
USSR	79 726	4340N	12435W	27787.0	43929.1	13372.2	87.	0.750	21963.	29.28	0.96	37.	22000.
USSR	79 6 8	4330N	12439W	27774.2	43927.7	13405.6	77.	1.833	53679.	29.28	1.63	1.	53680.
USSR	78 8 9	4433N	12430W	27878.9	43934.9	12917.8	66.	1.500	43882.	29.25	1.65	118.	44000.
POLAND	80 7 8	4453N	12430W	27905.3	43934.2	12750.5	134.	1.750	51032.	29.16	1.76	8.	51040.
USSR	78 627	4356N	12456W	27775.7	43929.5	13233.9	71.	0.917	26392.	28.79	1.45	8.	26400.
USSR	77 626	4447N	12436W	27938.1	43934.7	12804.3	131.	0.917	26294.	28.68	1.65	106.	26400.
POLAND	78 729	4341N	12431W	27796.5	43929.9	13364.6	90.	1.917	54960.	28.67	1.50	40.	55000.
POLAND	77 614	4353N	12435W	27809.1	43931.6	13260.4	94.	1.917	54907.	28.65	1.61	93.	55000.
POLAND	77 630	4307N	12508W	27663.2	43909.7	13632.4	77.	1.083	31020.	28.63	1.41	0.	31020.
USSR	78 8 8	4428N	12442W	27850.4	43934.6	12965.1	66.	0.750	21351.	28.47	1.63	649.	22000.
USSR	77 612	4500N	12425W	27922.7	43933.4	12688.6	148.	1.167	33000.	28.29	1.61	0.	33000.
USSR	78 6 0	4408N	12455W	27797.1	43931.8	13134.5	109.	1.167	33000.	28.29	1.71	0.	33000.
USSR	78 621	4442N	12437W	27878.7	43934.9	12846.3		1.083	30642.	28.29	1.46	158.	30800.
USSR	79 627	4352N	12433W	27811.3	43931.7	13269.2	66.	1.167	32996.	28.28	1.63	4.	33000.
USSR	78 626	4354N	12448W	27786.7	43930.2	13251.0	0.	1.167	32987.	28.27	3.65	13.	33000.
USSR	77 627	4342N	12433W	27784.8	43929.1	13354.3	87.	1.167	32964.	28.25	1.76	36.	33000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION ***

Table B-1. --(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
POLAND	78 710	4359N	12458W	27777.2	43929.8	13209.0	175.	1.167	32944.	28.24	1.54	56.	33000.
POLAND	77 815	4344N	12433W	27797.8	43930.2	13338.2	66.	2.333	65835.	28.21	1.57	165.	66000.
USSR	77 8 9	4308N	12445W	27707.5	43916.5	13640.0	98.	0.667	18809.	28.21	1.54	1.	18810.
USSR	78 6 8	4500N	12423W	27926.2	43933.2	12686.9	131.	1.167	32892.	28.19	1.61	108.	33000.
USSR	78 730	4353N	12445W	27790.5	43930.4	13259.6	82.	0.667	18693.	28.04	1.63	7.	18700.
USSR	77 626	4451N	12433W	27897.5	43934.5	12769.2	120.	1.417	39556.	27.92	1.67	44.	39600.
USSR	79 727	4422N	12447W	27832.8	43934.0	13016.8	93.	0.750	20900.	27.87	1.67	0.	20900.
USSR	78 6 5	4350N	12434W	27806.0	43931.2	13286.3	104.	1.417	39446.	27.84	1.39	154.	39600.
POLAND	79 728	4425N	12444W	27842.5	43934.4	12990.8	60.	0.750	20020.	26.69	1.78	1980.	22000.
USSR	78 610	4359N	12457W	27778.9	43930.0	13209.0	93.	1.500	40030.	26.69	1.65	10.	40040.
USSR	77 715	4332N	12450W	27744.4	43924.3	13435.4	120.	2.083	55426.	26.60	1.74	14.	55440.
USSR	78 610	4357N	12458W	27773.8	43929.4	13225.5	82.	1.167	30800.	26.40	1.45	0.	30800.
POLAND	77 7 5	4309N	12453W	27694.4	43914.8	13626.1	38.	1.000	26400.	26.40	1.41	0.	26400.
POLAND	76 627	4359N	12458W	27777.2	43929.8	13209.0	164.	0.500	13198.	26.40	1.39	2.	13200.
USSR	77 616	4506N	12422W	27935.1	43932.5	12636.4	109.	2.917	76985.	26.39	1.58	15.	77000.
USSR	79 625	4310N	12502W	27680.0	43912.9	13611.9	104.	1.500	39592.	25.39	1.67	8.	39600.
USSR	78 815	4421N	12448W	27829.5	43933.9	13025.4	87.	1.250	32989.	26.39	1.58	11.	33000.
USSR	77 610	4505N	12424W	27930.5	43932.8	12646.5	153.	1.250	32982.	26.39	1.63	18.	33000.
USSR	78 628	4405N	12457W	27793.6	43931.6	13134.8		1.667	43968.	26.38	1.48	32.	44000.
USSR	77 7 2	4400N	12430W	27830.0	43933.1	13200.3	55.	1.500	39566.	26.38	1.85	34.	39600.
USSR	79 6 6	4359N	12428W	27832.2	43933.2	13209.0	60.	1.833	48355.	26.38	1.65	45.	48400.
USSR	77 621	4313N	12444W	27719.4	43918.9	13598.5	93.	1.000	26367.	26.37	1.41	33.	26400.
USSR	79 726	4334N	12436W	27774.5	43927.5	13423.5	82.	1.250	32946.	26.36	1.41	54.	33000.
USSR	78 726	4314N	12445W	27719.5	43919.0	13589.4	153.	1.250	32919.	26.33	1.41	81.	33000.
USSR	79 724	4339N	12432W	27791.1	43929.3	13381.6	93.	0.833	21944.	26.33	0.91	56.	22000.
USSR	78 729	4400N	12458W	27778.6	43930.0	13200.8	93.	1.500	39496.	26.33	1.72	104.	39600.
USSR	78 7 6	4402N	12454W	27789.2	43930.9	13124.1	82.	1.250	32908.	26.33	1.52	92.	33000.
USSR	78 619	4504N	12422W	27932.7	43932.7	12652.9		1.250	32900.	26.32	1.33	100.	33000.
USSR	77 6 7	4353N	12436W	27807.2	43931.5	13260.4	115.	0.750	19733.	26.31	1.54	67.	19800.
USSR	77 622	4415N	12431W	27851.2	43934.4	13071.4	60.	0.750	19720.	26.29	1.78	80.	19800.
USSR	77 719	4436N	12435W	27876.8	43934.9	12878.4	104.	1.250	32784.	26.23	1.59	216.	33000.
POLAND	77 611	4357N	12435W	27815.7	43932.2	13226.1	68.	2.083	54604.	26.21	1.59	396.	55000.
USSR	78 814	4421N	12447W	27931.3	43934.0	13025.1	98.	1.667	43659.	26.20	1.56	341.	44000.
USSR	79 714	4353N	12445W	27790.5	43930.4	13259.6	148.	1.250	32612.	26.09	0.86	388.	33000.
USSR	79 725	4335N	12434W	27780.1	43926.1	13415.6	77.	0.750	19521.	26.03	1.91	59.	19580.
USSR	77 812	4336N	12440W	27770.4	43927.3	13405.0	55.	0.917	23715.	25.87	1.96	155.	23870.
USSR	78 718	4425N	12445W	27840.7	43934.3	12991.2	77.	0.667	17172.	25.76	1.50	428.	17600.
USSR	78 731	4406N	12456W	27792.1	43931.3	13151.1	82.	1.000	25300.	25.30	1.65	0.	25300.
USSR	78 6 8	4456N	12428W	27912.6	43933.9	12724.1	191.	2.083	52580.	25.24	1.67	0.	52580.
POLAND	79 611	4354N	12453W	27777.7	43929.5	13250.6	60.	0.750	18921.	25.23	1.89	879.	19800.
USSR	78 730	4354N	12453W	27777.7	43929.5	13250.6	66.	0.917	23100.	25.20	1.56	0.	23100.
USSR	77 613	4418N	12453W	27816.2	43933.3	13051.6	109.	1.750	43976.	25.13	1.78	24.	44000.
POLAND	77 616	4306N	12452W	27677.8	43910.8	13701.6	98.	1.750	43973.	25.13	1.32	27.	44000.
USSR	78 729	4403N	12455W	27789.0	43931.0	13175.9	66.	1.500	36953.	24.64	1.56	447.	37400.
USSR	79 6 8	4722N	12448W	28024.4	43910.5	11765.5	109.	1.333	32654.	24.49	1.67	347.	33000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	73 815	4425N	12445W	27840.7	43934.5	12991.2	93.	1.333	32541.	24.41	1.56	459.	33000.
USSR	77 624	4415N	12430W	27853.0	43934.4	13071.2	55.	1.083	26399.	24.37	1.77	1.	26400.
USSR	79 6 8	4344N	12438W	27788.3	43929.5	13337.2	77.	2.167	52360.	24.17	1.63	0.	52360.
USSR	78 6 5	4445N	12436W	27331.0	43934.8	12822.1	145.	1.917	46200.	24.10	1.45	0.	46200.
USSR	78 614	4359N	12459W	27775.4	43929.7	13209.0	98.	0.917	22000.	24.00	1.38	0.	22000.
USSR	78 7 9	4424N	12446W	27837.5	43934.2	12999.9	109.	0.917	21996.	24.00	1.61	4.	22000.
USSR	78 6 5	4453N	12434W	27894.5	43934.6	12778.2	13.	0.917	21974.	23.97	1.44	26.	22000.
USSR	79 724	4310N	12443W	27705.8	43916.6	13621.1	98.	2.750	65884.	23.96	2.00	116.	66000.
USSR	79 724	4337N	12437W	27777.9	43926.1	13397.4	87.	0.917	21946.	23.94	0.84	54.	22000.
USSR	78 726	4314N	12445W	27719.5	43919.0	13589.4	153.	1.833	43892.	23.94	1.36	108.	44000.
USSR	78 728	4357N	12431W	27823.2	43932.6	13226.2	55.	0.917	21864.	23.85	1.56	136.	22000.
USSR	79 611	4347N	12433W	27806.3	43931.2	13295.1	60.	0.750	17600.	23.47	1.94	0.	17600.
USSR	78 714	4724N	12449W	28024.6	43910.2	11757.7	66.	1.417	33000.	23.29	1.67	0.	33000.
POLAND	80 723	4717N	12441W	28029.9	43909.7	11776.4	38.	2.167	50427.	23.27	1.91	11613.	62040.
POLAND	80 7 9	4505N	12421W	27935.5	43932.5	12643.7	104.	1.417	32969.	23.27	1.67	31.	33000.
USSR	78 7 6	4400N	12454W	27725.9	43930.5	13200.7	71.	1.417	32950.	23.26	1.62	50.	33000.
POLAND	80 629	4510N	12420W	27943.2	43931.3	12601.7	137.	1.417	32912.	23.23	1.61	68.	33000.
USSR	78 616	4409N	12459W	27791.7	43931.5	13126.8	133.	1.333	30704.	23.03	1.25	96.	30800.
POLAND	79 728	4424N	12443W	27842.8	43934.4	12998.8	71.	0.667	15346.	23.02	1.80	54.	15400.
USSR	78 612	4420N	12451W	27822.8	43933.6	13034.6	87.	1.417	32557.	22.98	1.58	443.	33000.
USSR	77 613	4302N	12454W	27678.2	43911.2	13683.5	87.	1.250	28600.	22.88	1.50	0.	28600.
POLAND	77 617	4301N	12453W	27678.0	43911.0	13692.5	87.	1.167	26400.	22.63	1.31	0.	26400.
POLAND	78 710	4358N	12457W	27777.2	43929.6	13217.3	169.	1.167	26294.	22.54	1.61	106.	26400.
USSR	78 629	4416N	12427W	27860.1	43934.6	13061.9	169.	1.750	39429.	22.53	1.47	171.	39600.
USSR	77 612	4404N	12457W	27767.1	43930.9	13157.7	142.	1.667	37354.	22.41	1.30	46.	37400.
POLAND	80 710	4401N	12456W	27784.0	43930.5	13192.5	126.	1.917	42273.	22.37	1.76	27.	42900.
POLAND	80 7 6	4706N	12445W	28016.0	43913.7	11842.1	63.	1.167	26050.	22.33	1.85	350.	26400.
USSR	78 6 9	4440N	12431W	27836.6	43934.8	12859.4	63.	1.667	37118.	22.27	1.68	282.	37400.
POLAND	77 7 3	4316N	12456W	27702.9	43917.1	13566.1	60.	1.167	25960.	22.25	1.47	0.	25960.
USSR	79 721	4304N	12453W	27684.2	43912.5	13667.6	109.	1.333	29632.	22.22	1.78	68.	29700.
USSR	79 630	4340N	12432W	27792.8	43929.5	13373.0	98.	0.500	11000.	22.00	1.10	0.	11000.
USSR	79 615	4400N	12450W	27793.0	43931.0	13200.6	33.	1.000	22000.	22.00	1.72	0.	22000.
USSR	77 629	4323N	12446W	27735.0	43922.2	13512.9	87.	2.000	43998.	22.00	1.76	2.	44000.
USSR	78 713	4355N	12441W	27801.2	43931.2	13242.9	107.	1.000	21991.	21.99	1.47	9.	22000.
USSR	78 723	4401N	12458W	27780.5	43930.2	13192.5	93.	1.500	32985.	21.99	1.74	15.	33000.
USSR	78 6 4	4400N	12457W	27780.6	43930.2	13200.8	15.	1.000	21989.	21.99	1.50	11.	22000.
USSR	79 722	4305N	12451W	27690.0	43913.5	13660.8	82.	2.000	43974.	21.99	1.74	26.	44000.
USSR	78 723	4321N	12445W	27733.1	43921.7	13530.3	93.	1.500	32977.	21.98	1.50	23.	33000.
USSR	79 720	4306N	12453W	27688.3	43913.5	13651.0	109.	0.500	10991.	21.98	1.76	9.	11000.
USSR	77 8 1	4310N	12449W	27703.9	43916.4	13620.5	101.	1.000	21978.	21.98	1.66	22.	22000.
USSR	78 724	4359N	12457W	27778.9	43930.0	13209.0	109.	1.500	32914.	21.94	1.54	86.	33000.
USSR	78 719	4422N	12446W	27831.0	43934.0	13017.1	87.	1.000	21937.	21.94	1.47	63.	22000.
USSR	78 623	4504N	12422W	27932.7	43932.7	12652.9	109.	0.500	10936.	21.87	1.38	64.	11000.
POLAND	79 727	4426N	12444W	27846.9	43934.5	12965.9	77.	1.000	21767.	21.77	1.78	233.	22000.
POLAND	79 6 5	4444N	12423W	27906.2	43934.4	12820.8	57.	1.000	21762.	21.76	2.19	238.	22000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE	APPROX LORAN-C PULSE RATES		FISHING		CATCH	THOUSAND LBS	SIZE	BYCATCH	TOTAL			
				DEPTH	HOURS						(LBS)	PER HOUR	LBS/FISH
*****	*****	*****	*****	9X	9Y	9Z	(FMS)	TRAWLED	(LBS)	PER HOUR	LBS/FISH	(LBS)	(LBS)
USSR	77 027	4552N	12423W	27982.8	43925.4	12276.9	55.	1.417	30782.	21.73	2.01	18.	30800.
USSR	79 610	4446N	12430W	27985.8	43934.8	12812.6	98.	1.833	39552.	21.57	1.76	48.	39600.
USSR	79 8 9	4332N	12444W	27755.6	43925.5	13437.6	93.	0.833	17600.	21.12	2.20	0.	17600.
USSR	78 6 8	4502N	12420W	27920.0	43933.4	12674.8	197.	0.833	17600.	21.12	1.35	0.	17600.
USSR	78 724	4321N	12444W	27735.0	43921.9	13530.8	109.	2.083	43982.	21.11	1.45	18.	44000.
USSR	78 727	4402N	12457W	27733.9	43930.5	13184.2	126.	0.833	17585.	21.10	1.67	15.	17600.
USSR	79 722	4305N	12450W	27691.9	43913.8	13661.5	109.	1.000	21100.	21.10	0.00	20.	21120.
USSR	77 626	4306N	12452W	27690.2	43913.7	13651.8	98.	0.833	17582.	21.10	1.47	18.	17600.
USSR	77 617	4504N	12422W	27932.7	43932.7	12652.9	87.	0.833	17574.	21.09	1.47	26.	17600.
USSR	77 8 5	4310N	12456W	27690.9	43914.5	13615.8	79.	2.083	43927.	21.09	1.56	73.	44000.
POLAND	80 710	4412N	12457W	27799.9	43932.2	13101.9	71.	2.000	42148.	21.07	1.77	1852.	44000.
USSR	73 726	4350N	12432W	27699.9	43931.5	13286.6	71.	0.833	17550.	21.06	1.45	50.	17600.
USSR	79 6 9	4328N	12439W	27757.8	43925.3	13473.7	77.	1.583	33220.	20.98	1.65	0.	33220.
USSR	78 724	4400N	12457W	27780.6	43930.2	13200.8	82.	1.417	29665.	20.94	1.58	35.	29700.
USSR	77 015	4534N	12428W	27956.4	43929.4	12420.1	109.	2.417	50569.	20.93	1.45	31.	50600.
USSR	78 719	4424N	12445W	27839.3	43934.3	12999.5	74.	1.000	20886.	20.89	1.58	14.	20900.
USSR	79 6 9	4328N	12437W	27761.6	43925.6	13474.6	120.	1.583	33000.	20.84	2.00	0.	33000.
USSR	77 7 2	4310N	12450W	27702.1	43916.1	13619.8	93.	1.583	33000.	20.84	1.41	0.	33000.
USSR	77 6 8	4426N	12446W	27840.4	43934.4	12983.3	142.	1.583	32995.	20.84	1.57	5.	33000.
USSR	78 815	4418N	12450W	27821.5	43933.5	13050.8	77.	1.583	32965.	20.82	1.58	35.	33000.
USSR	79 729	4346N	12433W	27801.2	43930.6	13321.0	82.	2.333	48376.	20.73	1.72	24.	48400.
USSR	77 620	4318N	12446W	27725.4	43920.4	13555.1	82.	1.167	24184.	20.73	1.39	16.	24200.
USSR	77 729	4414N	12452W	27811.8	43932.9	13084.4	82.	1.083	22427.	20.70	1.90	13.	22440.
USSR	77 625	4400N	12431W	27840.6	43933.6	13131.5	44.	1.917	39585.	20.65	1.69	15.	39600.
USSR	78 712	4354N	12435W	27810.8	43931.8	13251.9	98.	1.917	39570.	20.65	1.54	30.	39600.
USSR	79 6 6	4413N	12426W	27853.8	43934.4	13088.0	32.	1.400	28794.	20.57	1.67	26.	28820.
POLAND	77 622	4312N	12449W	27707.9	43917.2	13603.7	55.	0.750	15400.	20.53	1.40	0.	15400.
USSR	78 626	4356N	12447W	27791.8	43930.7	13234.2	49.	0.750	15400.	20.53	1.34	0.	15400.
USSR	79 731	4714N	12435W	28030.2	43910.1	11787.7	49.	1.750	35886.	20.51	2.01	8114.	44000.
USSR	79 6 6	4327N	12438W	27757.8	43925.1	13482.7	109.	1.833	37312.	20.36	2.11	82.	37400.
USSR	77 614	4307N	12451W	27694.1	43914.5	13644.1	137.	1.083	22000.	20.31	1.63	0.	22000.
USSR	77 613	4429N	12444W	27848.3	43934.6	12957.6	153.	1.083	22000.	20.31	1.61	0.	22000.
USSR	77 7 4	4412N	12435W	27843.0	43934.1	13097.5	82.	1.083	22000.	20.31	1.56	0.	22000.
USSR	79 629	4333N	12442W	27701.2	43926.1	13429.9	246.	2.167	43991.	20.30	1.83	9.	44000.
USSR	77 6 9	4314N	12446W	27717.6	43918.8	13589.8	153.	1.083	21986.	20.29	1.47	14.	22000.
USSR	78 624	4409N	12457W	27795.2	43931.7	13126.5	14.	1.083	21971.	20.28	1.86	29.	22000.
USSR	79 7 8	4408N	12427W	27848.1	43934.1	13131.0	27.	2.083	42231.	20.27	1.80	9.	42240.
USSR	78 617	4504N	12422W	27932.7	43932.7	12652.9		2.167	43911.	20.27	1.44	89.	44000.
USSR	79 812	4357N	12439W	27808.2	43931.8	13226.0	71.	2.917	59083.	20.26	2.11	317.	59400.
USSR	79 727	4340N	12434W	27769.0	43929.3	13372.5	77.	1.083	21918.	20.23	0.93	82.	22000.
USSR	79 627	4349N	12434W	27804.4	43931.1	13294.9	55.	1.417	28585.	20.18	1.87	15.	28600.
USSR	78 621	4446N	12435W	27887.5	43934.7	12811.9		2.500	50418.	20.17	1.47	182.	50600.
USSR	78 7 9	4420N	12448W	27828.0	43933.8	13033.7	109.	1.083	21818.	20.14	1.58	182.	22000.
POLAND	78 726	4320N	12438W	27759.7	43925.4	13474.1	123.	2.200	43934.	19.97	1.43	66.	44000.
POLAND	77 618	4304N	12456W	27678.7	43911.6	13665.4	38.	1.667	33000.	19.80	1.35	0.	33000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	78 727	4319N	12444W	27731.2	43921.2	13547.8	109.	1.667	33000.	19.80	1.43	0.	33000.
USSR	79 810	4336N	12436W	27778.1	43928.0	13406.3	87.	1.333	26397.	19.80	2.02	3.	26400.
USSR	79 624	4324N	12440W	27748.4	43923.8	13507.4	104.	1.667	32984.	19.79	1.61	16.	33000.
USSR	78 8 1	4408N	12457W	27793.6	43931.6	13134.8	87.	0.667	13194.	19.79	1.69	6.	13200.
USSR	78 715	4356N	12441W	27802.9	43931.4	13234.5	101.	1.000	19786.	19.79	1.41	14.	19800.
USSR	77 731	4306N	12458W	27679.1	43912.1	13647.5	104.	0.667	13188.	19.78	1.74	12.	13200.
POLAND	80 713	4359N	12457W	27778.9	43930.0	13209.0	126.	0.667	13187.	19.78	1.72	13.	13200.
USSR	78 8 8	4422N	12445W	27836.3	43934.1	13016.1	60.	1.333	26373.	19.78	1.67	27.	26400.
USSR	78 728	4357N	12432W	27821.4	43932.5	13226.2	71.	1.667	32940.	19.76	1.52	61.	33000.
USSR	78 727	4344N	12434W	27795.9	43930.1	13338.0	77.	1.333	26318.	19.74	1.50	83.	26400.
USSR	78 7 7	4358N	12450W	27789.7	43930.7	13217.4	104.	1.667	32745.	19.65	1.78	255.	33000.
USSR	77 615	4531N	12426W	27956.5	43929.6	12440.7	97.	2.250	43971.	19.54	1.47	29.	44000.
USSR	78 814	4402N	12457W	27783.9	43930.5	13184.2	82.	2.250	43965.	19.54	1.69	35.	44000.
USSR	78 7 5	4350N	12455W	27780.8	43930.0	13217.3	93.	2.250	43955.	19.54	1.50	45.	44000.
USSR	79 812	4355N	12444W	27795.7	43930.9	13242.8	55.	1.917	37374.	19.50	2.00	26.	37400.
USSR	78 718	4727N	12445W	28028.2	43909.2	11741.1		1.333	25994.	19.50	1.70	1506.	27500.
USSR	79 7 2	4357N	12430W	27825.2	43932.7	13226.3	82.	1.917	37358.	19.49	1.85	42.	37400.
USSR	79 714	4419N	12455W	27814.3	43933.2	13043.9	115.	1.750	34065.	19.47	1.72	35.	34100.
USSR	79 713	4353N	12445W	27790.5	43930.4	13259.6	93.	1.500	29186.	19.46	1.23	74.	29260.
USSR	79 729	4340N	12433W	27790.9	43929.4	13372.7	82.	2.833	54902.	19.38	1.83	98.	55000.
USSR	78 728	4356N	12456W	27775.7	43929.5	13233.9	93.	1.500	29055.	19.37	1.54	6145.	35200.
POLAND	79 626	4305N	12507W	27650.9	43908.9	13649.3	123.	1.167	22532.	19.31	1.70	128.	22660.
POLAND	77 7 1	4309N	12507W	27669.1	43911.0	13616.8	55.	1.667	31902.	19.14	1.41	16.	31918.
USSR	78 8 7	4419N	12448W	27826.5	43933.7	13042.0	66.	0.917	17516.	19.11	1.61	84.	17600.
POLAND	80 717	4312N	12451W	27704.2	43916.7	13602.4	126.	0.583	11144.	19.10	1.54	6456.	17600.
USSR	79 716	4405N	12435W	27828.5	43933.3	13157.6	44.	1.917	38300.	18.94	1.56	0.	36300.
USSR	77 611	4452N	12430W	27904.0	43934.3	12758.7	137.	1.750	33000.	18.86	1.58	0.	33000.
POLAND	77 7 4	4321N	12454W	27716.3	43919.6	13525.7	33.	1.167	21995.	18.85	1.47	5.	22000.
USSR	77 613	4527N	12426W	27952.1	43930.2	12472.0	142.	1.750	32992.	18.85	1.52	8.	33000.
USSR	79 712	4334N	12433W	27780.3	43928.0	13424.5	120.	1.167	21988.	18.85	1.85	12.	22000.
USSR	78 8 8	4430N	12438W	27860.5	43934.8	12946.7	55.	1.333	25113.	18.83	1.72	187.	25300.
USSR	78 730	4355N	12455W	27775.8	43929.4	13242.2	71.	1.167	21971.	18.83	1.54	29.	22000.
USSR	77 6 8	4314N	12444W	27721.4	43919.3	13590.0	98.	0.583	10984.	18.83	1.21	17.	11000.
USSR	79 714	4354N	12447W	27788.5	43930.3	13251.0	98.	1.750	32951.	18.83	0.66	50.	33000.
USSR	78 628	4357N	12457W	27775.6	43929.6	13225.6	87.	1.167	21945.	18.81	1.56	55.	22000.
USSR	77 810	4346N	12434W	27802.7	43930.9	13303.6	115.	2.333	43876.	18.80	1.72	124.	44000.
USSR	78 8 8	4420N	12448W	27828.0	43933.8	13033.7	60.	2.333	43870.	18.80	1.54	130.	44000.
USSR	78 728	4425N	12445W	27940.7	43934.3	12991.2		1.167	21935.	18.80	1.69	65.	22000.
USSR	78 813	4418N	12453W	27816.2	43933.3	13051.6	82.	2.333	43656.	18.80	1.52	144.	44000.
USSR	78 717	4346N	12431W	27808.4	43931.2	13304.0	93.	1.750	32872.	18.78	1.52	128.	33000.
USSR	78 727	4324N	12442W	27744.5	43923.4	13506.4	85.	1.750	32864.	18.78	1.41	136.	33000.
USSR	79 731	4409N	12506W	27779.7	43930.7	13127.8	109.	1.333	25035.	18.78	1.80	45.	25020.
USSR	78 7 5	4356N	12455W	27777.5	43929.6	13233.9	93.	1.767	32948.	18.65	1.53	52.	33000.
USSR	78 7 5	4313N	12450W	27708.1	43917.4	13594.7	93.	1.417	26400.	18.64	1.54	0.	26400.
USSR	78 714	4357N	12434W	27817.6	43932.3	13226.2	85.	1.750	32607.	13.63	1.41	393.	33000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	78 611	4359N	12459W	27775.4	43929.7	13209.0	27.	1.417	26387.	18.63	1.50	13.	26400.
USSR	77 7 7	4454N	12425W	27915.3	43933.9	12738.3	169.	1.000	18616.	18.62	1.76	84.	18700.
USSR	77 6 6	4539N	12429W	27960.1	43928.7	12393.2	109.	1.417	26363.	18.61	2.35	37.	26400.
USSR	78 717	4428N	12437W	27859.3	43934.8	12963.1	71.	1.417	26307.	18.57	1.52	6693.	33000.
USSR	78 731	4358N	12457W	27777.2	43929.8	13217.3	71.	1.167	21653.	18.56	1.67	347.	22000.
USSR	78 714	4357N	12432W	27821.4	43932.5	13226.2	57.	0.583	10621.	18.55	1.43	223.	11044.
POLAND	77 7 4	4310N	12454W	27694.6	43915.0	13617.2	55.	1.667	30800.	18.49	1.43	31.	30831.
USSR	78 6 6	4458N	12424W	27922.0	43933.5	12704.3	120.	1.667	30785.	18.47	1.36	15.	30800.
POLAND	79 730	4300N	12453W	27675.9	43910.5	13700.8	202.	1.167	21536.	18.46	1.89	464.	22000.
POLAND	78 713	4710N	12436W	28031.2	43910.3	11802.6	49.	1.167	21535.	18.46	1.59	4865.	26400.
USSR	77 815	4350N	12435W	27804.1	43931.1	13286.2	55.	1.750	32152.	18.37	1.65	848.	33000.
USSR	79 811	4350N	12431W	27911.8	43931.6	13286.7	27.	0.667	12229.	18.34	1.99	5371.	17600.
POLAND	80 711	4404N	12459W	27933.6	43930.6	13167.9	104.	2.167	39527.	18.24	1.69	73.	39600.
POLAND	77 815	4355N	12435W	27912.4	43931.9	13243.3	98.	2.167	39452.	18.21	1.54	148.	39600.
USSR	79 629	4341N	12437W	27735.0	43929.0	13363.1	213.	2.417	43988.	18.20	1.74	12.	44000.
USSR	79 623	4300N	12505W	27654.0	43906.9	13691.4	109.	2.417	43945.	18.18	1.65	55.	44000.
USSR	78 620	4446N	12434W	27869.3	43934.7	12811.3		2.417	43891.	18.16	1.38	109.	44000.
USSR	78 6 5	4722N	12445W	28028.4	43909.7	11759.4	55.	2.417	43861.	18.15	1.65	139.	44000.
POLAND	77 7 6	4301N	12458W	27668.7	43909.5	13688.6	65.	0.917	16500.	18.00	1.52	0.	16500.
USSR	78 727	4402N	12458W	27782.1	43930.4	13184.3	109.	1.833	33000.	18.00	1.50	0.	33000.
USSR	77 622	4319N	12446W	27727.4	43920.7	13546.7	87.	1.833	32993.	18.00	1.39	2.	33000.
USSR	77 622	4317N	12446W	27723.5	43920.0	13563.5	101.	1.833	32997.	18.00	1.56	3.	33000.
USSR	78 7 8	4404N	12455W	27790.6	43931.1	13167.6	109.	1.833	32967.	17.98	1.47	33.	33000.
USSR	77 626	4454N	12427W	27911.8	43934.0	12739.9	85.	1.833	32962.	17.98	1.96	38.	33000.
USSR	79 728	4325N	12451W	27729.5	43921.8	13493.7	82.	1.833	32953.	17.97	1.08	47.	33000.
POLAND	77 630	4306N	12510W	27657.7	43908.6	13639.1	55.	1.250	22440.	17.95	1.36	0.	22440.
USSR	78 8 7	4405N	12455W	27792.3	43931.3	13159.3	98.	0.583	10459.	17.93	1.64	541.	11000.
POLAND	77 814	4351N	12430W	27815.4	43931.9	13278.2	79.	3.667	65625.	17.90	1.56	375.	66000.
USSR	78 715	4719N	12445W	28026.1	43910.4	11774.4	66.	1.333	23786.	17.84	1.52	9214.	33000.
USSR	78 611	4350N	12456W	27765.5	43928.2	13283.6	87.	1.250	22220.	17.78	1.46	0.	22220.
USSR	77 614	4352N	12435W	27807.5	43931.4	13269.0	82.	1.000	17601.	17.60	1.56	8865.	26466.
USSR	79 712	4337N	12433W	27785.6	43928.7	13398.6	87.	0.250	4400.	17.60	1.56	0.	4400.
USSR	77 615	4318N	12445W	27723.4	43919.8	13572.5	164.	1.250	22000.	17.60	1.38	0.	22000.
USSR	77 615	4527N	12426W	27954.3	43929.9	12456.3	96.	2.500	43991.	17.60	1.65	9.	44000.
USSR	79 610	4342N	12436W	27788.6	43929.4	13354.8	104.	1.250	21993.	17.59	1.58	7.	22000.
USSR	79 6 7	4323N	12441W	27744.6	43923.3	13515.4	104.	2.750	48385.	17.59	1.94	15.	48400.
USSR	77 6 8	4304N	12457W	27676.8	43911.3	13664.7	148.	1.250	21992.	17.59	1.43	8.	22000.
USSR	79 717	4354N	12438W	27805.1	43931.4	13251.7	109.	1.500	26389.	17.59	0.77	11.	26400.
USSR	78 6 6	4727N	12448W	28026.2	43909.2	11741.1	44.	0.750	13194.	17.59	1.69	6.	13200.
USSR	78 626	4406N	12456W	27792.1	43931.3	13151.1		1.250	21985.	17.59	1.47	15.	22000.
USSR	78 630	4356N	12455W	27777.5	43929.6	13233.9		1.500	26379.	17.59	1.42	21.	26400.
USSR	77 6 6	4322N	12456W	27714.5	43919.5	13516.3	126.	1.500	26368.	17.58	1.61	32.	26400.
USSR	78 717	4420N	12449W	27826.3	43933.7	13034.0	87.	1.500	26367.	17.58	1.61	33.	26400.
POLAND	78 728	4341N	12433W	27922.6	43929.6	13364.1	96.	2.000	35122.	17.56	1.41	78.	35200.
USSR	78 622	4504N	12423W	27931.0	43932.8	12653.8		1.750	30726.	17.56	1.47	72.	30800.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 7 14	4300N	12452W	27677.8	43910.8	13701.6	66.	1.250	21910.	17.53	1.73	90.	22000.
USSR	77 6 9	4435N	12437W	27869.1	43934.9	12904.5	142.	1.883	32998.	17.52	1.57	2.	33000.
USSR	78 7 28	4358N	12434W	27819.2	43932.5	13217.6	66.	1.000	17486.	17.49	1.58	114.	17600.
USSR	78 6 8	4500N	12431W	27912.3	43933.8	12693.7	16.	1.000	17437.	17.44	1.44	163.	17600.
USSR	78 7 10	4529N	12422W	27960.9	43929.3	12451.3	109.	1.250	21747.	17.40	1.61	253.	22000.
USSR	78 8 8	4422N	12445W	27836.3	43934.1	13016.1	92.	1.833	31804.	17.35	1.54	1196.	33000.
USSR	79 6 7	4356N	12440W	27804.7	43931.5	13234.5	93.	2.083	36071.	17.31	1.67	9.	36080.
USSR	79 7 26	4422N	12447W	27832.8	43934.0	13016.8	93.	1.917	32987.	17.21	1.83	13.	33000.
USSR	78 7 25	4320N	12446W	27729.3	43921.1	13538.2	169.	1.917	32978.	17.21	1.45	22.	33000.
USSR	79 6 9	4725N	12448W	26026.7	43909.7	11750.8	109.	1.917	32968.	17.20	1.74	32.	33000.
USSR	78 7 15	4418N	12430W	27857.5	43934.6	13045.5	36.	1.917	32964.	17.20	1.56	36.	33000.
USSR	79 6 11	4341N	12431W	27796.5	43929.9	13364.6	44.	1.167	20040.	17.18	1.91	6360.	26400.
USSR	79 6 7	4356N	12434W	27815.9	43932.2	13234.7	73.	0.833	14300.	17.16	1.81	0.	14300.
USSR	78 6 6	4448N	12431W	27897.2	43934.5	12792.6	98.	1.917	32567.	16.99	1.65	433.	33000.
USSR	79 8 15	4405N	12450W	27801.1	43931.8	13158.9	33.	1.167	19800.	16.97	1.76	0.	19800.
USSR	79 7 29	4423N	12448W	27832.5	43934.1	13008.8	126.	1.000	16899.	16.90	1.80	41.	16940.
USSR	79 7 24	4312N	12447W	27711.7	43917.7	13605.0	82.	2.333	39387.	16.88	1.96	213.	39600.
USSR	77 6 11	4450N	12432W	27898.0	43934.5	12776.8	137.	0.917	15396.	16.80	1.59	4.	15400.
USSR	77 6 15	4530N	12427W	27953.7	43929.9	12449.8	126.	1.967	33000.	16.78	1.54	4.	33004.
USSR	77 7 9	4442N	12433W	27855.7	43934.8	12843.9	109.	1.000	16760.	16.76	1.71	840.	17600.
USSR	77 7 26	4408N	12458W	27791.8	43931.4	13134.9	74.	0.917	15330.	16.72	1.74	70.	15400.
USSR	78 6 14	4413N	12458W	27799.8	43932.2	13093.8	104.	3.167	52800.	16.67	1.54	0.	52800.
USSR	78 7 24	4320N	12444W	27733.1	43921.6	13539.3	109.	1.583	26378.	16.66	1.45	22.	26400.
USSR	78 7 29	4425N	12447W	27837.2	43934.2	12991.9	9.	1.833	30460.	16.61	1.76	340.	30800.
POLAND	77 7 5	4306N	12453W	27688.3	43913.5	13651.0	66.	1.500	24860.	16.57	1.41	2.	24862.
USSR	78 7 16	4425N	12435W	27858.6	43934.7	12987.6	38.	2.000	33000.	16.50	1.58	0.	33000.
USSR	77 8 14	4302N	12454W	27678.2	43911.2	13683.5	202.	2.000	33000.	16.50	1.63	0.	33000.
USSR	77 6 22	4317N	12446W	27723.5	43920.0	13563.5	104.	0.667	11000.	16.50	1.56	0.	11000.
USSR	79 7 13	4300N	12452W	27677.8	43910.6	13701.6	120.	1.333	21995.	16.50	1.71	5.	22000.
USSR	78 7 6	4355N	12435W	27812.4	43931.9	13243.3	115.	1.333	21993.	16.50	1.63	7.	22000.
USSR	78 6 12	4403N	12503W	27766.5	43929.3	13176.6	98.	2.000	32989.	16.49	1.36	11.	33000.
USSR	78 7 28	4427N	12444W	27845.4	43934.5	12974.2	9.	1.583	26114.	16.49	1.65	286.	26400.
POLAND	77 6 17	4306N	12452W	27690.2	43913.7	13651.8	66.	1.333	21982.	16.49	1.39	19.	22000.
USSR	78 6 9	4403N	12433W	27829.1	43933.2	13174.6	9.	0.667	10987.	16.48	1.44	13.	11000.
USSR	78 6 7	4449N	12435W	27891.5	43934.6	12787.1	148.	2.667	43942.	16.48	1.65	58.	44000.
POLAND	80 7 9	4455N	12427W	27913.1	43933.9	12731.6	137.	2.000	32951.	16.48	1.69	49.	33000.
USSR	79 6 6	4312N	12420W	27945.5	43931.5	12585.3	109.	2.667	43875.	16.45	1.54	125.	44000.
USSR	78 8 12	4411N	12455W	27801.9	43932.2	13109.7	87.	1.500	24649.	16.43	1.58	8351.	33000.
USSR	78 7 28	4350N	12432W	27819.7	43932.4	13234.8	87.	1.333	21890.	16.42	1.50	110.	22000.
USSR	78 7 17	4354N	12430W	27820.3	43932.3	13252.2	71.	1.333	21859.	16.39	1.54	141.	22000.
USSR	79 7 24	4341N	12433W	27792.6	43929.6	13364.1	68.	2.667	43718.	16.39	0.63	282.	44000.
USSR	78 6 27	4356N	12455W	27777.5	43929.6	13233.9	82.	1.083	17600.	16.25	1.67	0.	17600.
USSR	78 8 6	4417N	12453W	27814.7	43933.1	13059.8	109.	1.083	17600.	16.25	1.61	0.	17600.
USSR	77 6 13	4431N	12444W	27351.2	43934.7	12941.0	126.	1.083	17586.	16.23	1.58	14.	17600.
USSR	79 6 28	4323N	12446W	27735.0	43922.2	13512.9	93.	2.167	35151.	16.22	1.83	49.	35200.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE		APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)	
	YYMMDD	LAT	LONG	9X	9Y	9Z	DEPTH (FMS)						HOURS TRAWLED
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
POLAND	79 721	4305N	12452W	27688.1	43913.3	13660.1	175.	1.667	27028.	16.22	1.91	32.	27060.
USSR	77 622	4416N	12430W	27854.5	43934.5	13062.6	60.	0.667	10787.	16.18	1.72	213.	11000.
USSR	77 815	4353N	12432W	27814.8	43932.0	13260.7	66.	1.167	18821.	16.13	1.72	55.	18876.
POLAND	80 719	4329N	12438W	27761.5	43925.7	13465.6	126.	1.500	24193.	16.13	1.67	7.	24200.
USSR	79 729	4422N	12448W	27831.0	43934.0	13017.1	126.	1.083	17407.	16.07	1.78	193.	17600.
USSR	78 712	4722N	12448W	28024.4	43910.5	11765.5	137.	1.083	17391.	16.05	1.56	209.	17600.
POLAND	77 7 2	4305N	12454W	27684.4	43912.7	13658.6	66.	1.167	18700.	16.03	1.47	0.	18700.
USSR	79 712	4350N	12434W	27806.0	43931.2	13286.3	82.	3.417	54683.	16.00	1.78	317.	55000.
USSR	77 620	4340N	12434W	27789.0	43929.3	13372.5	87.	2.333	37342.	16.00	1.83	58.	37400.
USSR	78 6 4	4437N	12449W	27851.0	43934.8	12894.1	15.	2.750	44000.	16.00	1.55	0.	44000.
USSR	78 6 8	4451N	12432W	27899.3	43934.4	12768.5	172.	2.750	44000.	16.00	1.69	0.	44000.
POLAND	80 814	4403N	12455W	27789.0	43931.0	13175.9	142.	2.000	31935.	15.97	1.87	1065.	33000.
USSR	78 726	4357N	12457W	27775.6	43929.6	13225.6	109.	2.000	31900.	15.95	1.54	0.	31900.
USSR	78 719	4336N	12430W	27778.1	43928.0	13406.3	164.	2.750	43845.	15.94	1.36	155.	44000.
USSR	79 6 9	4355N	12437W	27805.4	43931.4	13260.3	82.	3.083	49038.	15.90	1.65	22.	49060.
USSR	78 731	4422N	12449W	27829.3	43933.9	13017.4	62.	2.500	39587.	15.83	1.61	13.	39600.
USSR	77 620	4321N	12445W	27733.1	43921.7	13530.3	97.	2.083	32981.	15.83	1.32	19.	33000.
USSR	79 626	4350N	12438W	27798.5	43930.7	13295.8	82.	1.250	19766.	15.81	1.76	34.	19800.
USSR	78 716	4425N	12445W	27840.7	43934.3	12991.2	77.	0.917	14488.	15.80	1.52	2672.	17160.
USSR	78 6 5	4507N	12424W	27932.8	43932.6	12630.2	15.	2.083	32906.	15.80	1.49	94.	33000.
USSR	78 731	4357N	12459W	27772.1	43929.3	13225.5	82.	2.250	35043.	15.57	1.58	157.	35200.
USSR	79 6 8	4343N	12438W	27786.5	43929.3	13345.7	109.	1.500	23320.	15.55	1.47	0.	23320.
USSR	79 710	4525N	12427W	27946.1	43930.9	12504.7	126.	2.000	31013.	15.51	1.94	7.	31020.
USSR	78 731	4357N	12457W	27775.6	43929.6	13225.6	87.	1.417	21958.	15.50	1.58	42.	22000.
USSR	78 811	4418N	12452W	27918.0	43933.3	13051.3	109.	1.667	25827.	15.50	1.56	573.	26400.
USSR	79 7 8	4410N	12432W	27841.8	43934.0	13114.4	55.	1.333	20656.	15.49	1.91	24.	20680.
USSR	78 619	4507N	12420W	27959.7	43932.2	12626.3		1.933	28241.	15.40	1.33	359.	28600.
USSR	77 622	4320N	12445W	27731.2	43921.3	13538.8	66.	1.000	15400.	15.40	1.41	0.	15400.
USSR	78 724	4359N	12456W	27780.7	43930.1	13209.0	82.	1.000	15390.	15.39	1.58	10.	15400.
POLAND	80 625	4507N	12420W	27939.7	43932.2	12626.3	115.	3.750	57684.	15.38	1.87	792.	58476.
USSR	79 6 8	4350N	12437W	27900.4	43930.9	13286.0	93.	2.917	44660.	15.31	1.67	0.	44660.
USSR	78 713	4724N	12447W	28027.2	43909.7	11753.6	55.	1.000	15288.	15.29	1.58	112.	15400.
USSR	79 813	4415N	12454W	27809.9	43932.8	13076.6	87.	3.750	57134.	15.24	1.65	66.	57200.
USSR	79 715	4406N	12436W	27828.2	43933.3	13149.2	55.	2.167	33000.	15.23	1.67	0.	33000.
USSR	79 721	4306N	12452W	27690.2	43913.7	13651.8	98.	2.167	32966.	15.22	1.80	34.	33000.
USSR	78 715	4403N	12454W	27770.8	43931.1	13175.8	109.	0.717	10886.	15.19	1.63	114.	11000.
USSR	78 622	4500N	12427W	27919.2	43933.5	12690.3	148.	2.167	32908.	15.19	1.39	92.	33000.
USSR	78 729	4358N	12431W	27824.9	43932.8	13217.6	60.	2.167	32898.	15.18	1.56	102.	33000.
USSR	78 6 7	4458N	12427W	27916.8	43933.7	12706.8	14.	2.167	32850.	15.16	1.61	150.	33000.
USSR	78 628	4351N	12448W	27785.3	43929.9	13276.4	109.	2.917	43939.	15.06	1.47	61.	44000.
USSR	78 812	4414N	12458W	27801.3	43932.3	13065.6	82.	1.750	26321.	15.04	1.54	79.	26400.
USSR	77 8 8	4309N	12449W	27701.9	43915.9	13628.8	159.	2.917	43854.	15.04	1.47	146.	44000.
USSR	79 729	4439N	12437W	27874.6	43934.9	12871.2	126.	1.917	28810.	15.03	1.87	230.	29040.
USSR	78 621	4442N	12437W	27878.7	43934.9	12846.3		1.750	26289.	15.02	1.47	111.	26400.
USSR	78 6 7	4500N	12426W	27921.0	43933.4	12689.4	17.	1.167	17438.	14.95	1.67	162.	17600.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE		APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)	
	YYMMDD	LAT	LONG	9X	9Y	9Z	DEPTH (FMS)						HOURS TRAWLED
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
USSR	79 7 16	4428N	12445W	27845.1	43934.5	12986.3	109.	1.917	28593.	14.92	1.87	7.	28600.
POLAND	77 8 15	4346N	12434W	27799.3	43930.5	13320.8	85.	4.417	65723.	14.88	1.58	277.	66000.
USSR	78 6 23	4502N	12422W	27930.3	43932.9	12669.4		1.167	17251.	14.79	1.56	349.	17600.
USSR	78 7 8	4403N	12453W	27792.6	43931.2	13175.8	109.	2.083	30800.	14.78	1.78	0.	30800.
POLAND	80 6 30	4307N	12447W	27701.7	43915.6	13647.0	115.	2.167	31872.	14.71	1.61	28.	31900.
USSR	78 7 19	4424N	12446W	27837.5	43934.2	12999.9	85.	1.667	24479.	14.69	1.59	1921.	26400.
USSR	78 8 11	4420N	12450W	27824.5	43933.7	13034.3	82.	1.583	23234.	14.67	1.56	86.	23320.
USSR	78 6 28	4358N	12436W	27815.4	43932.3	13217.5	66.	1.500	21997.	14.66	1.50	3.	22000.
USSR	78 7 15	4355N	12442W	27799.4	43931.1	13242.9	82.	0.750	10987.	14.65	1.47	13.	11000.
USSR	77 8 15	4317N	12444W	27727.3	43920.4	13564.7	164.	1.500	21967.	14.64	1.78	33.	22000.
USSR	78 7 25	4725N	12448W	28026.7	43909.7	11750.8		1.500	21935.	14.62	1.78	65.	22000.
USSR	78 7 28	4358N	12431W	27824.9	43932.8	13217.6	71.	1.500	21918.	14.61	1.54	82.	22000.
USSR	78 8 15	4425N	12445W	27840.7	43934.3	12991.2	82.	1.500	21914.	14.61	1.54	86.	22000.
USSR	78 8 9	4404N	12455W	27790.6	43931.1	13167.6	109.	1.500	21886.	14.59	1.63	114.	22000.
USSR	77 7 25	4410N	12457W	27796.8	43931.9	13118.3	82.	1.500	21824.	14.55	1.65	176.	22000.
POLAND	78 7 11	4359N	12459W	27775.4	43929.7	13209.0	169.	1.500	21774.	14.52	1.45	226.	22000.
USSR	77 6 20	4526N	12425W	27952.7	43930.2	12478.6	115.	1.500	21709.	14.47	1.58	291.	22000.
USSR	78 6 10	4441N	12430W	27789.7	43934.8	12650.4	68.	1.500	21684.	14.46	1.56	316.	22000.
USSR	78 6 12	4417N	12455W	27811.2	43933.0	13050.3	82.	1.833	20313.	14.35	1.50	87.	26400.
USSR	77 6 27	4536N	12422W	27986.3	43928.2	12396.7	74.	0.917	13134.	14.33	1.85	66.	13200.
USSR	78 7 12	4718N	12446W	28024.0	43910.9	11781.5	66.	2.200	31306.	14.23	1.50	1694.	33000.
USSR	77 7 15	4545N	12427W	27989.5	43927.4	12335.1	87.	0.917	13015.	14.20	1.72	185.	13200.
USSR	79 7 12	4509N	12429W	27926.6	43932.8	12618.7	137.	2.667	37791.	14.17	1.89	49.	37840.
USSR	77 6 14	4439N	12446W	27859.0	43934.9	12876.2	137.	1.083	15319.	14.14	1.61	81.	15400.
USSR	78 7 30	4359N	12456W	27780.7	43930.1	13209.0		1.500	21206.	14.14	1.84	5194.	26400.
USSR	78 7 27	4326N	12442W	27748.3	43924.0	13489.4	96.	2.333	32951.	14.12	1.43	49.	33000.
USSR	78 7 22	4333N	12434W	27785.5	43928.8	13389.7	107.	2.333	32888.	14.09	1.52	112.	33000.
POLAND	80 7 10	4357N	12457W	27775.6	43929.6	13225.6	98.	1.750	24653.	14.09	1.61	8567.	33220.
USSR	79 6 8	4340N	12437W	27783.2	43926.8	13371.7	131.	1.250	17600.	14.08	1.50	0.	17600.
USSR	78 6 12	4406N	12507W	27773.1	43930.0	13152.2	109.	1.250	17597.	14.08	1.45	3.	17600.
USSR	78 6 25	4355N	12446W	27792.0	43930.6	13242.7	120.	1.250	17596.	14.08	1.47	4.	17600.
USSR	78 6 5	4344N	12435W	27794.0	43930.0	13337.8	96.	2.500	35182.	14.07	1.56	18.	35200.
POLAND	77 6 16	4301N	12455W	27578.0	43911.0	13692.5	55.	2.000	28142.	14.07	1.34	18.	28160.
USSR	78 6 13	4402N	12456W	27785.6	43930.7	13184.2	109.	1.417	19905.	14.05	1.36	2095.	22000.
USSR	78 6 11	4351N	12452W	27774.4	43929.0	13275.8	66.	1.583	22220.	14.03	1.50	0.	22220.
USSR	77 6 19	4503N	12428W	27927.2	43932.8	12625.9	142.	2.333	32728.	14.03	1.53	272.	33000.
USSR	78 7 15	4408N	12456W	27795.3	43931.7	13134.6	120.	1.417	19800.	13.98	1.43	0.	19800.
USSR	78 8 6	4427N	12447W	27840.2	43934.4	12975.4	98.	1.633	25575.	13.95	1.87	825.	26400.
POLAND	80 6 30	4406N	12456W	27792.1	43931.3	13151.1	104.	0.867	12074.	13.93	1.63	26.	12100.
USSR	77 7 9	4410N	12426W	27953.0	43934.3	13113.5	33.	1.417	19727.	13.93	1.65	73.	19800.
USSR	78 7 14	4723N	12450W	28022.6	43910.7	11764.6	87.	1.583	21996.	13.89	1.76	4.	22000.
POLAND	79 6 25	4301N	12453W	27668.7	43909.5	13688.6	98.	3.167	43967.	13.88	1.57	33.	44000.
USSR	78 6 22	4504N	12425W	27927.5	43933.0	12655.7	159.	1.583	21858.	13.81	1.50	142.	22000.
USSR	79 7 22	4307N	12451W	27694.1	43914.5	13644.1	115.	1.500	20670.	13.78	0.00	10.	20680.
USSR	78 6 26	4354N	12436W	27808.9	43931.7	13251.8	126.	1.917	26376.	13.76	1.41	24.	26400.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 726	4336N	12439W	2777 2.3	43927.5	13405.3	82.	1.667	22869.	13.72	0.97	11.	22880.
USSR	77 813	4304N	12456W	2767 8.7	43911.6	13665.4	104.	2.417	32983.	13.65	1.48	17.	33000.
USSR	78 6 7	4452N	12432W	27900.6	43934.4	12760.2	126.	2.000	27276.	13.64	1.52	4.	27280.
POLAND	80 713	4359N	12452W	2777 7.2	43929.8	13209.0	104.	2.417	32946.	13.63	1.57	54.	33000.
USSR	78 727	4405N	12430W	27837.8	43933.6	13157.2	77.	2.417	32866.	13.60	1.58	134.	33000.
USSR	78 8 6	4413N	12451W	27819.7	43933.4	13051.1	71.	1.167	15840.	13.58	1.63	0.	15840.
USSR	79 630	4339N	12452W	27753.4	43926.0	13376.1	437.	3.250	43991.	13.54	0.62	9.	44000.
USSR	79 6 6	4404N	12429W	27938.1	43933.6	13165.7	51.	1.333	18040.	13.53	1.59	0.	18040.
USSR	78 810	4446N	12428W	27899.8	43934.5	12807.3	77.	2.000	27029.	13.51	1.53	597 1.	33000.
USSR	78 726	4352N	12433W	27811.3	43931.7	13269.2	66.	2.083	28150.	13.51	1.45	3530.	31680.
POLAND	80 713	4352N	12452W	2777 6.1	43929.2	13267.4	98.	2.167	29262.	13.51	1.54	482.	29744.
POLAND	80 718	4311N	12446W	27711.5	43917.6	13614.1	167.	0.833	11139.	13.37	1.43	81.	11220.
USSR	78 729	4357N	12433W	27819.5	43932.4	13226.2	79.	1.667	22244.	13.35	1.58	196.	22440.
USSR	77 8 9	4310N	12445W	27711.5	43917.4	13623.1	137.	1.167	15532.	13.31	1.56	0.	15532.
USSR	79 6 9	4351N	12437W	27802.0	43931.0	13277.4	49.	2.083	27500.	13.20	1.72	0.	27500.
USSR	77 614	4437N	12437W	27871.9	43934.9	12887.8	120.	1.667	22000.	13.20	1.61	0.	22000.
USSR	78 726	4407N	12456W	27793.7	43931.5	13142.9	82.	1.167	15400.	13.20	1.61	0.	15400.
USSR	77 619	4436N	12437W	27873.3	43934.9	12879.5	109.	2.000	26400.	13.20	1.65	0.	26400.
USSR	79 623	4326N	12438W	27756.0	43924.8	13491.2	87.	0.667	8800.	13.20	1.69	0.	8800.
USSR	78 725	4400N	12458W	2777 8.8	43930.0	13200.8	109.	2.000	26400.	13.20	1.47	0.	26400.
USSR	79 628	4341N	12446W	27768.0	43927.6	13360.9	66.	1.667	22000.	13.20	1.89	0.	22000.
USSR	78 611	4359N	12505W	27765.0	43928.8	13209.0	546.	1.667	21997.	13.20	1.50	3.	22000.
USSR	79 6 9	4346N	12436W	27795.5	43930.2	13320.4	93.	1.500	19795.	13.20	1.65	5.	19800.
USSR	78 713	4721N	12451W	23019.7	43911.5	11776.5	150.	1.667	21993.	13.20	1.67	7.	22000.
USSR	78 710	4522N	12422W	27959.8	43929.5	12459.2	82.	1.000	13195.	13.19	1.50	5.	13200.
USSR	78 610	4400N	12436W	27818.7	43932.6	13200.4	8.	1.667	21987.	13.19	1.41	13.	22000.
USSR	78 717	4355N	12431W	27820.0	43932.4	13243.5	77.	2.000	26373.	13.19	1.56	27.	26400.
USSR	77 610	4319N	12444W	27731.2	43921.2	13547.8	109.	1.333	17577.	13.18	1.32	23.	17600.
USSR	78 6 6	4453N	12427W	27910.6	43934.1	12748.2	98.	1.333	17574.	13.18	1.52	26.	17600.
USSR	78 722	4337N	12434W	27783.7	43928.6	13398.3	109.	2.500	32942.	13.18	1.47	58.	33000.
USSR	79 612	4447N	12434W	27890.6	43934.7	12803.0	104.	2.000	26354.	13.18	1.87	46.	26400.
USSR	78 720	4727N	12452W	28023.0	43910.2	11749.1		1.333	17566.	13.17	1.67	34.	17600.
USSR	78 723	4405N	12457W	27788.8	43931.1	13159.5	87.	2.000	26347.	13.17	1.58	53.	26400.
USSR	78 8 3	4403N	12455W	27789.0	43931.0	13175.9	66.	2.000	26329.	13.16	1.52	71.	26400.
USSR	78 8 9	4403N	12455W	27769.0	43931.0	13175.9	115.	1.667	21936.	13.16	1.58	64.	22000.
USSR	79 6 8	4351N	12430W	27803.9	43931.2	13277.5	115.	1.667	21880.	13.13	1.58	114.	22000.
USSR	78 728	4428N	12445W	27845.1	43934.5	12966.3		2.000	26249.	13.12	1.63	151.	26400.
USSR	78 721	4402N	12453W	27790.9	43931.0	13184.1	82.	1.000	13119.	13.12	1.52	81.	13200.
USSR	78 628	4412N	12456W	27301.7	43932.3	13101.7	97.	1.167	15303.	13.12	1.67	97.	15400.
POLAND	80 721	4531N	12426W	27956.5	43929.6	12440.7	98.	3.500	45747.	13.07	1.76	8153.	53900.
USSR	79 811	4318N	12452W	27714.2	43918.9	13551.8	109.	0.500	6476.	12.95	1.94	124.	6600.
USSR	78 729	4401N	12430W	27831.5	43933.2	13191.7	79.	2.083	26955.	12.94	1.56	105.	27060.
USSR	79 726	4336N	12433W	27783.9	43928.5	13407.3	71.	2.167	27682.	12.78	1.72	918.	28600.
POLAND	79 629	4302N	12500W	27567.2	43909.5	13678.9	93.	2.000	25516.	12.76	1.72	4.	25520.
POLAND	80 712	4353N	12455W	2777 2.4	43929.0	13258.8	104.	1.250	15625.	12.66	1.48	37.	15662.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 716	4327N	12458W	27720.4	43920.9	13474.0	109.	2.083	26349.	12.65	1.69	51.	26400.
USSR	78 0 5	4421N	12449W	27827.8	43933.8	13025.7	137.	1.833	23186.	12.65	1.63	1014.	24200.
USSR	78 620	4450N	12432W	27898.0	43934.5	12776.8		1.917	24198.	12.62	1.47	2.	24200.
USSR	79 716	4326N	12454W	27714.4	43919.2	13534.0	109.	3.500	43970.	12.56	1.78	30.	44000.
USSR	79 7 8	4411N	12455W	27801.9	43932.2	13107.7	109.	1.750	21985.	12.56	1.58	15.	22000.
USSR	78 627	4357N	12437W	27811.9	43932.0	13226.1	92.	1.750	21983.	12.56	1.45	17.	22000.
USSR	78 730	4357N	12457W	27775.6	43929.6	13225.6	55.	1.750	21983.	12.56	1.56	17.	22000.
USSR	77 617	4455N	12429W	27909.6	43934.0	12733.2	142.	1.750	21979.	12.56	1.55	21.	22000.
USSR	78 716	4413N	12433W	27844.5	43934.1	13089.0	55.	1.750	21963.	12.55	1.58	37.	22000.
USSR	79 723	4313N	12446W	27715.6	43918.4	13597.2	82.	1.750	21916.	12.52	2.05	84.	22000.
USSR	77 620	4516N	12422W	27946.5	43931.2	12555.0	137.	1.750	21891.	12.51	1.54	109.	22000.
USSR	77 616	4445N	12436W	27884.5	43934.8	12820.8	115.	1.750	21890.	12.51	1.65	110.	22000.
USSR	79 6 8	4550N	12422W	27982.5	43925.6	12290.3	71.	1.333	16625.	12.47	1.63	22975.	39600.
POLAND	77 611	4355N	12432W	27918.1	43932.3	13243.4	66.	1.833	22918.	12.45	1.63	942.	23760.
USSR	77 623	4712N	12441W	28026.0	43911.2	11802.2	53.	1.417	17600.	12.42	1.85	0.	17600.
USSR	77 629	4326N	12445W	27742.6	43923.4	13488.0	66.	2.667	33000.	12.38	1.72	0.	33000.
USSR	78 8 8	4422N	12445W	27834.5	43934.1	13016.5	79.	1.917	23702.	12.37	1.51	20298.	44000.
POLAND	80 729	4402N	12456W	27785.6	43930.7	13184.2	71.	0.833	10301.	12.36	1.63	83.	10384.
POLAND	80 7 7	4704N	12442W	26018.4	43913.4	11847.0	44.	1.417	17510.	12.36	1.78	90.	17600.
USSR	79 730	4321N	12455W	27714.4	43919.4	13525.2	109.	1.250	15399.	12.32	1.85	1.	15400.
USSR	78 7 6	4406N	12456W	27792.1	43931.3	13151.1	137.	1.250	15338.	12.27	1.55	62.	15400.
USSR	78 6 6	4505N	12424W	27938.5	43932.8	12646.5	12.	1.250	15327.	12.26	1.37	73.	15400.
USSR	79 721	4307N	12452W	27692.2	43914.2	13643.4	98.	1.833	22440.	12.24	1.74	0.	22440.
USSR	78 6 6	4424N	12447W	27835.7	43934.2	13000.2	77.	2.250	27500.	12.22	1.58	0.	27500.
POLAND	77 8 6	4300N	12453W	27675.9	43910.5	13700.8	71.	1.417	17302.	12.21	1.36	298.	17600.
USSR	77 6 8	4420N	12452W	27821.0	43933.5	13034.8	252.	1.083	13200.	12.18	1.54	0.	13200.
USSR	77 615	4536N	12427W	27960.2	43928.9	12403.4	104.	1.083	13192.	12.18	1.54	8.	13200.
USSR	79 715	4403N	12454W	27790.8	43931.1	13175.8	153.	2.167	26375.	12.17	1.72	25.	26400.
USSR	77 623	4307N	12449W	27697.9	43915.0	13645.6	85.	2.167	26366.	12.17	1.41	34.	26400.
USSR	78 7 3	4432N	12440W	27859.6	43934.8	12930.9	137.	2.167	26352.	12.16	16.06	48.	26400.
USSR	79 624	4318N	12444W	27729.2	43920.8	13556.2	98.	1.083	13174.	12.16	1.14	26.	13200.
USSR	77 627	4411N	12427W	27952.7	43934.3	13105.0	44.	1.250	15191.	12.15	1.69	209.	15400.
USSR	78 721	4345N	12433W	27799.5	43930.4	13329.6	82.	2.167	26268.	12.12	1.58	132.	26400.
USSR	78 7 5	4356N	12456W	27775.7	43929.5	13233.9	93.	1.817	21950.	12.08	1.53	50.	22000.
USSR	79 627	4356N	12433W	27817.8	43932.3	13234.8	49.	1.417	17112.	12.08	1.89	48.	17160.
USSR	79 714	4406N	12437W	27826.3	43933.2	13149.3	57.	1.917	23090.	12.05	1.76	10.	23100.
USSR	78 725	4401N	12458W	27780.5	43930.2	13192.5	109.	2.667	32120.	12.04	1.54	0.	32120.
POLAND	77 615	4305N	12453W	27686.3	43913.0	13659.3	66.	1.000	12044.	12.04	1.72	56.	12100.
USSR	77 7 6	4420N	12427W	27806.0	43934.7	13027.5	27.	0.917	10998.	12.00	1.72	2.	11000.
USSR	78 610	4357N	12458W	27773.8	43929.4	13225.5	15.	0.917	10997.	12.00	1.52	3.	11000.
USSR	77 616	4440N	12436W	27877.8	43934.9	12862.3	112.	2.750	32986.	11.99	1.72	14.	33000.
USSR	77 617	4455N	12426W	279714.8	43933.8	12730.8	101.	1.467	17584.	11.99	1.54	124.	17708.
POLAND	80 715	4431N	12437W	27863.5	43934.8	12937.9	112.	0.917	10980.	11.98	1.74	20.	11000.
USSR	77 8 1	4308N	12447W	27703.7	43916.0	13636.6	98.	1.933	21955.	11.98	1.56	45.	22000.
USSR	78 8 4	4404N	12456W	27788.9	43931.0	13167.7	82.	2.583	30800.	11.92	1.47	0.	30800.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
POLAND	80 7 6	47 01N	12443W	28014.7	43914.4	11865.4	55.	0.917	10922.	11.91	1.89	78.	11000.
USSR	78 7 1	4432N	12437W	27864.9	43934.9	12929.5	115.	2.167	25795.	11.91	1.50	825.	26620.
USSR	79 8 9	4335N	12435W	27772.4	43927.4	13414.2	98.	1.667	19788.	11.87	2.07	12.	19800.
USSR	79 7 7	4402N	12429W	27935.0	43933.4	13183.0	60.	1.167	13831.	11.86	1.76	29.	13860.
USSR	78 8 15	4425N	12446W	27839.0	43934.3	12991.6	98.	1.500	17600.	11.73	1.60	0.	17600.
USSR	79 8 15	4400N	12452W	27789.4	43930.8	13200.7	44.	1.500	17600.	11.73	1.76	0.	17600.
USSR	78 6 10	4356N	12434W	27815.9	43932.2	13234.7	109.	1.500	17585.	11.72	1.32	15.	17600.
USSR	77 8 12	4403N	12455W	27789.0	43931.0	13175.9	77.	1.250	14632.	11.71	1.53	42.	14674.
USSR	78 7 16	4357N	12440W	27806.4	43931.7	13226.0	87.	0.750	8767.	11.69	1.50	33.	8800.
USSR	79 7 10	4321N	12456W	27712.6	43919.1	13524.7	109.	2.250	26271.	11.68	1.54	129.	26400.
USSR	79 7 23	4728N	12445W	28032.8	43908.1	11730.2	49.	2.833	32985.	11.64	1.87	15.	33000.
USSR	77 7 13	4356N	12423W	27986.7	43924.6	12247.5	82.	1.500	17368.	11.58	1.96	232.	17600.
USSR	77 6 11	4359N	12447W	27796.8	43931.2	13209.0	98.	1.333	15396.	11.55	1.52	4.	15400.
USSR	78 6 26	4357N	12439W	27808.2	43931.8	13226.0	60.	1.333	15395.	11.55	1.47	5.	15400.
USSR	78 6 30	4355N	12440W	27803.1	43931.4	13243.0		2.667	30766.	11.54	1.34	34.	30800.
USSR	79 8 12	4355N	12435W	27812.4	43931.9	13243.3	97.	1.333	15381.	11.54	1.96	19.	15400.
USSR	77 8 2	4306N	12447W	27699.6	43915.1	13655.4	120.	0.750	8651.	11.53	1.63	149.	8800.
USSR	79 7 13	4352N	12452W	27776.1	43929.2	13267.4	109.	1.583	18209.	11.50	0.75	1371.	19580.
USSR	78 7 6	4402N	12454W	27789.2	43930.9	13184.1	82.	1.917	21986.	11.47	1.47	14.	22000.
USSR	79 6 8	4348N	12436W	27798.9	43930.6	13303.2	87.	1.917	21985.	11.47	1.65	15.	22000.
USSR	78 6 25	4355N	12443W	27797.5	43931.0	13242.8	112.	1.917	21981.	11.47	1.61	19.	22000.
USSR	78 6 18	4303N	12424W	27928.1	43933.0	12663.0		1.333	15274.	11.46	3.51	126.	15400.
USSR	78 7 27	4402N	12456W	27782.1	43930.4	13184.3	55.	3.583	41046.	11.45	1.45	754.	41600.
POLAND	80 7 15	4336N	12442W	27766.6	43927.0	13404.4	131.	2.333	26391.	11.31	1.62	9.	26400.
USSR	78 8 9	4431N	12433W	27870.7	43934.9	12936.1	55.	2.250	25444.	11.31	1.65	3156.	28600.
USSR	78 6 28	4355N	12456W	27774.0	43929.3	13242.2	82.	1.750	19786.	11.31	1.45	14.	19800.
USSR	77 6 11	4402N	12456W	27785.6	43930.7	13184.2	153.	2.333	26380.	11.31	1.52	20.	26400.
USSR	79 6 26	4323N	12500W	27709.2	43919.0	13506.1	93.	1.167	13190.	11.31	1.69	10.	13200.
USSR	77 8 5	4318N	12451W	27716.0	43919.2	13552.3	77.	2.333	26375.	11.30	1.58	25.	26400.
POLAND	77 7 1	4302N	12511W	27647.6	43906.1	13670.7	55.	1.833	20681.	11.28	1.39	10.	20691.
USSR	79 7 23	4722N	12456W	28014.0	43912.5	11781.5		1.167	13127.	11.25	1.94	73.	13200.
USSR	79 7 19	4306N	12452W	27690.2	43913.7	13651.8	87.	2.000	22432.	11.22	1.78	1328.	23760.
USSR	78 7 14	4356N	12433W	27821.1	43932.6	13217.6	82.	1.917	21396.	11.16	1.57	604.	22000.
USSR	78 8 2	4355N	12454W	27777.6	43929.6	13242.3	82.	1.667	18540.	11.12	1.63	160.	18700.
USSR	77 6 26	4307N	12451W	27694.1	43914.5	13644.1	159.	1.583	17600.	11.12	1.45	0.	17600.
USSR	79 6 9	4340N	12436W	27781.3	43928.6	13371.4	115.	1.583	17593.	11.11	1.45	7.	17600.
USSR	78 8 7	4402N	12456W	27735.6	43930.7	13184.2	66.	1.583	17582.	11.10	1.65	18.	17600.
USSR	77 6 23	4713N	12441W	28026.8	43910.9	11797.0	49.	1.583	17561.	11.09	1.82	4439.	22000.
USSR	77 8 2	4310N	12449W	27703.9	43916.4	13620.5	109.	1.583	17551.	11.08	1.58	49.	17600.
USSR	78 7 21	4345N	12432W	27891.4	43930.6	13329.8	82.	1.500	16589.	11.06	1.52	1011.	17600.
POLAND	80 7 22	4314N	12451W	27708.2	43917.5	13585.7	120.	2.917	32180.	11.03	1.54	820.	33000.
USSR	79 7 15	4407N	12453W	27799.0	43931.8	13142.5	153.	2.000	21987.	10.99	1.83	13.	22000.
USSR	77 6 9	4314N	12445W	27719.5	43919.0	13589.4	93.	1.000	10981.	10.98	1.32	19.	11000.
USSR	79 7 19	4337N	12419W	27774.2	43927.5	12384.9	90.	1.817	19949.	10.98	1.91	4471.	24420.
POLAND	77 6 8	4312N	12507W	27675.1	43912.4	13592.4	120.	1.000	10974.	10.97	1.58	26.	11000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	78 810	4417N	12456W	27809.5	43932.9	13060.6	71.	3.000	32883.	10.96	1.45	117.	33000.
USSR	77 8 1	4315N	12446W	27715.6	43918.4	13597.2	87.	2.000	21886.	10.94	1.63	114.	22000.
POLAND	77 8 8	4310N	12512W	27662.3	43910.1	13605.5	98.	3.000	32791.	10.93	1.63	209.	33000.
USSR	78 725	4359N	12458W	27777.2	43929.8	13209.0	109.	1.583	17291.	10.92	1.45	309.	17600.
USSR	79 625	4352N	12443W	27792.5	43930.5	13268.3	79.	1.167	12718.	10.90	1.80	482.	13200.
POLAND	79 727	4426N	12446W	27840.4	43934.4	12983.3	126.	1.000	10899.	10.90	1.74	101.	11000.
USSR	79 611	4444N	12430W	27893.7	43934.7	12825.3	87.	1.000	10886.	10.89	1.63	114.	11000.
USSR	78 6 9	4357N	12439W	27808.2	43931.8	13226.0	66.	1.000	10854.	10.85	1.46	146.	11000.
USSR	78 7 17	4352N	12433W	27811.3	43931.7	13269.2	104.	3.667	39546.	10.79	1.43	54.	39600.
USSR	79 624	4319N	12443W	27733.1	43921.4	13548.3	109.	1.417	15270.	10.78	1.58	130.	15400.
USSR	77 811	4400N	12443W	27805.7	43931.8	13200.5	66.	1.667	17908.	10.74	1.57	110.	18018.
USSR	79 713	4354N	12438W	27805.1	43931.4	13251.7	104.	2.250	24162.	10.74	1.58	39.	24200.
USSR	78 723	4727N	12454W	28020.4	43910.8	11753.1		1.000	10728.	10.73	1.65	272.	11000.
USSR	77 7 4	4348N	12431W	27808.4	43931.2	13304.0	90.	2.250	24138.	10.73	1.74	62.	24200.
USSR	78 725	4720N	12450W	28024.8	43910.0	11749.9	0.	2.583	27657.	10.71	1.76	63.	27720.
POLAND	77 7 3	4315N	12409W	27794.5	43927.2	13603.5	55.	1.750	18700.	10.69	1.36	0.	18700.
USSR	77 615	4449N	12432W	27896.7	43934.5	12785.0	118.	3.083	32939.	10.68	1.63	61.	33000.
USSR	78 714	4718N	12446W	28024.0	43910.9	11781.5	63.	3.083	32926.	10.68	1.65	74.	33000.
USSR	78 8 1	4406N	12455W	27793.9	43931.5	13151.0	87.	1.750	18588.	10.62	1.67	112.	18700.
USSR	79 629	4329N	12445W	27746.3	43924.1	13471.1	104.	1.250	13200.	10.56	1.63	0.	13200.
USSR	78 622	4320N	12447W	27727.4	43920.9	13537.7	22.	0.833	8800.	10.56	1.38	0.	8600.
USSR	78 710	4528N	12422W	27959.9	43929.5	12459.2	98.	1.250	13200.	10.56	1.52	0.	13200.
USSR	79 715	4319N	12456W	27708.7	43918.4	13541.3	98.	1.250	13199.	10.56	1.83	1.	13200.
USSR	78 6 6	4450N	12424W	27912.1	43934.1	12771.0	126.	2.917	30793.	10.56	1.63	7.	30800.
USSR	79 612	4334N	12437W	27772.6	43927.3	13423.1	98.	1.667	17583.	10.55	1.61	17.	17600.
POLAND	79 627	4301N	12500W	27665.1	43908.9	13687.1	109.	4.167	43947.	10.55	1.67	53.	44000.
USSR	78 610	4356N	12442W	27801.0	43931.3	13234.4	87.	0.833	8784.	10.54	1.56	17.	8800.
USSR	78 722	4332N	12437W	27768.9	43926.8	13440.3	79.	1.667	17564.	10.54	1.67	36.	17600.
USSR	77 624	4506N	12425W	27933.4	43932.6	12637.4	131.	2.500	25321.	10.53	1.54	79.	26400.
USSR	77 615	4452N	12432W	27900.6	43934.4	12760.2	118.	1.667	17535.	10.52	1.74	65.	17600.
USSR	77 612	4404N	12458W	27785.4	43930.8	13167.8	137.	1.667	17519.	10.51	1.54	81.	17600.
USSR	78 727	4427N	12445W	27843.7	43934.5	12974.6		2.063	21888.	10.51	1.74	112.	22000.
USSR	78 728	4357N	12432W	27821.4	43932.5	13226.2	66.	1.667	17420.	10.45	1.61	180.	17600.
USSR	78 712	4719N	12447W	28023.4	43911.0	11778.4	120.	2.083	21695.	10.41	1.61	305.	22000.
POLAND	79 730	4300N	12452W	27677.8	43910.8	13701.6	246.	1.017	10531.	10.36	1.89	29.	10560.
USSR	79 6 8	4347N	12437W	27795.3	43930.3	13311.7	109.	3.250	33629.	10.35	1.69	31.	33660.
USSR	79 717	4339N	12435W	27785.3	43928.9	13380.8	109.	2.500	25671.	10.27	1.69	729.	26400.
USSR	78 6 6	4456N	12424W	27919.6	43933.6	12720.9	123.	3.000	30800.	10.27	1.80	0.	30800.
POLAND	79 626	4300N	12453W	27675.9	43910.5	13700.8	93.	3.083	31653.	10.27	1.67	27.	31680.
POLAND	77 622	4301N	12506W	27654.3	43907.1	13682.5	109.	2.167	22220.	10.26	1.43	0.	22220.
USSR	78 810	4445N	12428W	27899.8	43934.5	12807.3	71.	1.500	15369.	10.25	1.64	31.	15400.
USSR	79 627	4455N	12427W	27913.1	43933.9	12731.6	126.	1.500	15362.	10.24	1.72	39.	15400.
POLAND	80 721	4306N	12452W	27690.2	43913.7	13651.8	137.	2.333	23836.	10.22	1.12	2564.	26400.
USSR	77 729	4307N	12450W	27696.0	43914.7	13644.9	55.	1.500	15273.	10.18	1.54	127.	15400.
USSR	77 628	4328N	12445W	27746.3	43924.1	13471.1	60.	2.167	21999.	10.15	1.65	1.	22000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 011	4351N	12445W	27787.1	43930.0	13276.5	82.	2.167	21995.	10.15	1.76	5.	22000.
USSR	78 720	4321N	12444W	27735.0	43921.9	13530.8	164.	2.167	21990.	10.15	1.50	10.	22000.
USSR	79 723	4314N	12444W	27721.4	43919.3	13590.0	82.	2.167	21986.	10.15	2.05	14.	22000.
USSR	79 630	4337N	12449W	27755.3	43926.0	13393.8	120.	1.083	10979.	10.13	1.83	21.	11000.
POLAND	80 711	4413N	12426W	27857.5	43934.5	13087.6	53.	1.083	10969.	10.13	1.65	31.	11000.
USSR	77 714	4554N	12426W	27980.1	43925.5	12266.8	82.	1.083	10957.	10.11	1.83	43.	11000.
USSR	77 620	4403N	12430W	27834.7	43933.4	13174.4	66.	2.117	21369.	10.10	1.60	631.	22000.
USSR	78 726	4358N	12438W	27811.7	43932.1	13217.5	71.	2.167	21839.	10.08	1.47	161.	22000.
USSR	78 714	4518N	12420W	27952.3	43930.7	12536.6	126.	2.167	21822.	10.07	1.57	178.	22000.
USSR	78 810	4443N	12432W	27888.8	43934.8	12834.9	71.	2.167	21790.	10.06	1.63	210.	22000.
POLAND	78 7 8	4320N	12443W	27735.0	43921.8	13539.8	159.	1.750	17590.	10.05	1.54	10.	17600.
USSR	78 726	4414N	12456W	27804.8	43932.5	13085.2	109.	1.750	17571.	10.04	1.61	29.	17600.
USSR	78 8 1	4403N	12454W	27790.8	43931.1	13175.8	77.	1.167	11680.	10.01	1.72	420.	12100.
USSR	79 7 7	4341N	12436W	27786.9	43929.2	13363.3	98.	0.833	8342.	10.01	0.77	304.	8646.
USSR	78 813	4407N	12457W	27792.0	43931.4	13143.0	109.	1.750	17489.	9.99	1.76	111.	17600.
USSR	78 825	4331N	12441W	27759.4	43925.8	13447.3	96.	3.083	30800.	9.99	1.58	0.	30800.
USSR	78 723	4357N	12456W	27777.3	43929.7	13225.6	82.	1.750	17479.	9.99	1.54	121.	17600.
POLAND	80 725	4406N	12457W	27790.4	43931.2	13151.2	93.	2.167	21546.	9.94	1.67	454.	22000.
POLAND	80 711	4359N	12456W	27777.2	43929.8	13209.0	98.	3.750	37289.	9.94	1.78	991.	38280.
USSR	79 7 7	4404N	12429W	27838.1	43933.6	13165.7	55.	1.417	14073.	9.93	1.91	7.	14080.
USSR	78 729	4402N	12455W	27787.4	43930.8	13184.1	66.	1.833	18177.	9.91	1.55	4923.	23100.
USSR	77 814	4310N	12447W	27707.7	43916.9	13621.8	90.	1.333	13200.	9.90	1.53	0.	13200.
USSR	78 814	4406N	12457W	27790.4	43931.2	13151.2	109.	1.333	13200.	9.90	1.65	0.	13200.
POLAND	79 8 8	4440N	12424W	27899.1	43934.6	12855.3	44.	2.083	20620.	9.90	2.00	280.	20900.
USSR	77 729	4306N	12451W	27692.1	43914.0	13652.5	63.	1.750	17316.	9.89	1.76	284.	17600.
USSR	78 724	4410N	12458W	27795.0	43931.8	13118.4	109.	1.333	13183.	9.89	1.58	17.	13200.
POLAND	79 730	4302N	12451W	27683.8	43912.1	13685.8	109.	1.417	13978.	9.87	1.83	322.	14300.
POLAND	80 628	4506N	12420W	27938.5	43932.3	12634.5	123.	1.583	15591.	9.85	1.63	29.	15620.
POLAND	79 628	4304N	12502W	27667.7	43909.9	13661.0	104.	3.917	38428.	9.81	1.83	72.	38500.
USSR	77 7 7	4420N	12426W	27864.1	43934.7	13027.8	30.	2.250	21976.	9.77	1.72	24.	22000.
USSR	77 811	4358N	12443W	27802.5	43931.5	13217.4	66.	1.500	14630.	9.75	1.50	0.	14630.
POLAND	77 813	4408N	12500W	27788.4	43931.2	13135.1	109.	4.500	43853.	9.75	1.61	147.	44000.
USSR	79 718	4351N	12432W	27811.5	43931.6	13278.0	96.	1.083	10546.	9.73	1.52	454.	11000.
USSR	77 8 9	4310N	12449W	27703.9	43918.4	13620.5	148.	2.250	21886.	9.73	1.48	114.	22000.
USSR	78 628	4726N	12450W	28024.8	43910.0	11749.9	120.	2.167	21057.	9.72	1.57	943.	22000.
USSR	79 611	4455N	12429W	27909.6	43934.0	12733.2	109.	2.000	19346.	9.67	1.74	14.	19360.
USSR	77 7 2	4457N	12424W	27920.8	43933.5	12712.6	131.	2.250	21764.	9.67	1.80	236.	22000.
USSR	78 725	4354N	12448W	27786.7	43930.2	13251.0	87.	0.667	6420.	9.63	1.47	180.	6600.
USSR	79 811	4345N	12433W	27799.5	43930.4	13329.6	68.	1.000	9623.	9.62	2.00	277.	9900.
USSR	78 713	4711N	12500W	28000.0	43916.1	11845.2	109.	1.583	15235.	9.62	1.58	165.	15400.
USSR	79 717	4354N	12437W	27807.0	43931.5	13251.7	109.	2.167	20847.	9.62	0.70	53.	20900.
USSR	77 815	4353N	12432W	27814.8	43932.0	13260.7	66.	0.917	8804.	9.60	1.58	18.	8822.
USSR	79 7 8	4414N	12428W	27855.3	43934.4	13079.3	52.	0.917	8798.	9.60	1.78	2.	8800.
USSR	78 718	4352N	12432W	27813.2	43931.8	13269.3	94.	1.833	17529.	9.56	1.43	71.	17600.
USSR	78 715	4727N	12449W	28026.9	43909.4	11743.1		1.833	17505.	9.55	1.76	95.	17600.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	77 7 1	4451N	12428W	27906.3	43934.2	12765.6	79.	0.917	8739.	9.53	1.63	61.	8800.
POLAND	80 7 18	4317N	12445W	27725.4	43920.2	13564.1	104.	2.250	21396.	9.51	1.49	604.	22000.
USSR	79 8 11	4350N	12430W	27813.7	43931.7	13286.8	68.	1.667	15840.	9.50	1.98	0.	15840.
USSR	79 7 16	4402N	12438W	27818.2	43932.6	13183.4	79.	2.583	24389.	9.44	1.96	31.	24420.
USSR	77 8 6	4313N	12457W	27695.1	43915.6	13590.4	77.	2.333	22000.	9.43	1.69	0.	22000.
USSR	79 7 15	4405N	12428W	27841.6	43933.8	13157.0	33.	1.167	11000.	9.43	1.81	0.	11000.
USSR	77 6 11	4359N	12456W	27780.7	43930.1	13209.0	328.	2.333	21998.	9.43	1.56	2.	22000.
USSR	77 6 28	4322N	12448W	27729.4	43921.4	13520.4	109.	1.167	10993.	9.42	1.69	7.	11000.
USSR	79 8 9	4727N	12446W	28030.6	43908.6	11737.0	57.	1.167	10992.	9.42	2.02	8.	11000.
USSR	78 8 13	4440N	12432W	27884.8	43934.6	12660.0	55.	2.333	21983.	9.42	1.69	17.	22000.
USSR	78 8 6	4711N	12441W	28025.3	43911.4	11807.5	60.	1.833	17262.	9.42	1.72	338.	17600.
POLAND	78 7 14	4705N	12439W	28023.3	43912.4	11835.5	55.	3.200	30123.	9.41	1.59	677.	30800.
USSR	78 7 21	4404N	12455W	27790.6	43931.1	13167.6	120.	1.167	10914.	9.36	1.52	86.	11000.
USSR	78 8 6	4407N	12455W	27795.5	43931.6	13142.8	62.	1.750	16321.	9.33	1.60	1939.	18260.
USSR	77 8 14	4344N	12434W	27795.9	43930.1	13338.0	71.	1.417	13210.	9.32	1.74	232.	13442.
USSR	78 7 16	4726N	12450W	28024.8	43910.0	11749.9		1.167	10871.	9.32	1.87	129.	11000.
USSR	78 6 29	4445N	12434W	27888.0	43934.7	12819.5	104.	2.833	26400.	9.32	1.51	0.	26400.
USSR	78 7 26	4710N	12458W	28001.8	43915.8	11846.5		1.417	13172.	9.30	1.58	28.	13200.
USSR	78 8 6	4457N	12430W	27910.3	43934.0	12717.5	150.	1.417	13153.	9.28	1.69	47.	13200.
USSR	78 7 14	4726N	12449W	28026.1	43909.7	11747.9		2.833	26284.	9.28	1.63	116.	26400.
USSR	78 7 21	4344N	12432W	27799.7	43930.4	13338.4	60.	2.367	21933.	9.27	1.58	67.	22000.
POLAND	79 7 23	4310N	12446W	27709.6	43917.1	13622.5	82.	0.950	8795.	9.26	1.80	5.	8800.
USSR	78 8 14	4435N	12432W	27878.0	43934.9	12901.9	49.	1.417	13115.	9.26	1.65	85.	13200.
USSR	79 7 10	4525N	12426W	27949.9	43930.5	12487.7	175.	2.833	26217.	9.25	1.69	183.	26400.
USSR	79 7 11	4340N	12433W	27790.9	43929.4	13372.7	98.	3.500	32359.	9.25	1.61	641.	33000.
POLAND	80 7 22	4521N	12420W	27955.6	43930.3	12512.5	87.	3.500	32313.	9.23	1.78	25327.	57640.
USSR	78 7 21	4416N	12451W	27819.7	43933.4	13051.1	77.	2.500	23069.	9.23	1.53	471.	23540.
USSR	78 7 20	4726N	12449W	28026.1	43909.7	11747.9		1.667	15372.	9.22	1.63	28.	15400.
USSR	79 7 6	4354N	12438W	27805.1	43931.4	13251.7	137.	1.667	15361.	9.22	1.63	39.	15400.
USSR	78 6 27	4405N	12457W	27798.8	43931.1	13159.5	219.	1.667	15349.	9.21	1.61	51.	15400.
USSR	78 7 21	4727N	12450W	28025.6	43909.7	11745.1		1.667	15333.	9.20	1.69	67.	15400.
USSR	78 6 6	4411N	12456W	27800.1	43932.1	13109.9	82.	1.667	15330.	9.20	1.63	70.	15400.
USSR	79 6 29	4342N	12446W	27769.8	43927.8	13352.4	82.	3.583	32946.	9.19	1.83	54.	33000.
USSR	78 7 23	4408N	12459W	27790.1	43931.3	13135.0	93.	1.917	17600.	9.18	1.58	0.	17600.
USSR	77 6 21	4411N	12430W	27847.0	43934.2	13105.5	57.	1.167	10700.	9.17	1.71	300.	11000.
POLAND	79 7 21	4307N	12451W	27694.1	43914.5	13644.1	191.	2.250	20626.	9.17	1.89	54.	20680.
USSR	78 7 24	4409N	12458W	27793.4	43931.6	13126.7	109.	1.333	12100.	9.08	1.61	0.	12100.
USSR	78 7 26	4401N	12456W	27784.0	43930.5	13192.5	109.	2.417	21923.	9.07	1.50	77.	22000.
POLAND	80 7 26	4401N	12457W	27762.2	43930.3	13192.5	93.	1.033	9766.	9.01	1.87	134.	9900.
POLAND	77 6 23	4301N	12454W	27676.1	43910.7	13691.7	66.	3.667	33000.	9.00	1.32	0.	33000.
USSR	79 7 30	4340N	12434W	27789.0	43929.3	13372.5	82.	3.667	32914.	8.98	1.89	86.	33000.
POLAND	80 7 6	4703N	12445W	28013.6	43914.4	11858.4	63.	3.917	35150.	8.97	1.83	5110.	40260.
USSR	78 7 26	4356N	12457W	27773.9	43929.3	13233.8	55.	2.833	25300.	8.93	1.50	0.	25300.
USSR	77 7 30	4300N	12452W	27677.8	43910.8	13701.6	71.	2.917	25958.	8.90	1.53	442.	26400.
POLAND	79 6 30	4302N	12501W	27665.4	43909.2	13678.1	137.	2.417	21318.	8.82	1.80	22.	21340.

39

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	77 813	4428N	12446W	27843.4	43934.5	12966.7	186.	2.500	22000.	8.80	1.61	0.	22000.
USSR	78 624	4436N	12437W	27870.5	43934.9	12896.1	104.	2.000	17600.	8.80	1.50	0.	17600.
USSR	79 5 7	4720N	12446W	28025.5	43910.4	11771.4	77.	1.000	8600.	8.80	1.67	0.	8600.
USSR	78 612	4404N	12507W	27769.8	43929.6	13168.4	109.	1.500	13200.	8.80	1.12	0.	13200.
USSR	78 7 4	4406N	12459W	27786.9	43931.0	13151.4	82.	2.000	17593.	8.80	1.45	7.	17600.
USSR	79 7 1	4338N	12442W	27770.2	43927.5	13387.4	246.	2.000	17592.	8.80	1.69	8.	17600.
USSR	79 7 9	4440N	12435W	27879.5	43934.9	12861.7	87.	1.250	10995.	8.80	0.53	5.	11000.
USSR	79 715	4407N	12435W	27831.6	43933.5	13140.5	33.	2.000	17585.	8.79	1.81	15.	17600.
USSR	79 7 9	4416N	12456W	27807.9	43932.8	13068.8	317.	2.000	17564.	8.79	1.61	16.	17600.
USSR	77 813	4305N	12456W	27680.7	43912.1	13657.2	120.	1.250	10989.	8.79	1.59	11.	11000.
USSR	73 6 4	4343N	12434W	27802.7	43930.9	13303.6	96.	2.500	21976.	8.79	1.45	24.	22000.
USSR	79 610	4444N	12437W	27881.4	43934.8	12829.7	104.	1.250	10987.	8.79	1.80	13.	11000.
USSR	77 621	4335N	12436W	27776.3	43927.7	13414.9	87.	2.500	21974.	8.79	1.61	26.	22000.
USSR	77 812	4430N	12443W	27851.5	43934.7	12948.9	74.	2.167	19044.	8.79	1.69	272.	19316.
USSR	78 725	4725N	12448W	28026.7	43909.7	11750.8		1.500	13179.	8.79	1.83	21.	13200.
POLAND	78 7 7	4320N	12443W	27735.0	43921.8	13539.8	169.	2.500	21960.	8.78	1.47	40.	22000.
USSR	77 812	4306N	12454W	27686.5	43913.2	13650.3	98.	1.000	8784.	8.78	1.48	17.	8800.
USSR	77 7 3	4351N	12431W	27813.4	43931.7	13278.1	104.	2.500	21951.	8.78	1.84	49.	22000.
USSR	77 619	4451N	12434W	27895.8	43934.5	12770.0	137.	1.750	15359.	8.78	1.67	41.	15400.
USSR	79 811	4342N	12435W	27790.5	43929.5	13355.0	66.	1.500	13163.	8.78	1.85	37.	13200.
USSR	77 615	4533N	12427W	27957.0	43929.4	12426.5	104.	1.000	8763.	8.76	1.52	37.	8800.
USSR	77 7 6	4421N	12426W	27869.3	43934.8	13018.6	30.	1.000	8759.	8.76	1.74	41.	8800.
USSR	77 7 6	4556N	12426W	27982.0	43925.2	12252.2	82.	2.500	21874.	8.75	2.07	127.	22000.
USSR	79 812	4344N	12433W	27797.9	43930.2	13338.2	87.	2.500	21866.	8.75	1.87	134.	22000.
USSR	77 626	4454N	12428W	27910.1	43934.0	12740.7	93.	1.500	13111.	8.74	1.78	89.	13200.
POLAND	80 7 9	4505N	12426W	27927.0	43933.0	12648.4	137.	3.000	26188.	8.73	1.70	212.	26400.
USSR	77 616	4532N	12425W	27959.2	43929.3	12431.7	96.	0.750	6521.	8.69	1.58	79.	6600.
USSR	79 722	4308N	12441W	27715.2	43917.6	13642.8	93.	2.500	21726.	8.69	1.89	274.	22000.
USSR	78 724	4406N	12457W	27790.4	43931.2	13151.2	109.	3.167	27500.	8.68	1.58	0.	27500.
USSR	78 622	4503N	12416W	27938.5	43932.4	12657.5		2.250	19523.	8.68	1.44	277.	19800.
USSR	78 714	4727N	12449W	29025.9	43909.4	11743.1	82.	1.500	12977.	8.65	1.69	223.	13200.
POLAND	80 720	4336N	12434W	27781.9	43928.3	13406.9	109.	1.500	12891.	8.59	1.54	309.	13200.
POLAND	80 711	4407N	12458W	27790.2	43931.3	13143.1	98.	2.750	23572.	8.57	1.72	9428.	33000.
USSR	78 725	4355N	12450W	27794.7	43930.1	13242.5	87.	1.750	15000.	8.57	1.54	400.	15400.
USSR	79 628	4331N	12437W	27767.1	43926.5	13448.8	93.	3.083	26383.	8.56	1.76	17.	26400.
USSR	79 7 2	4353N	12435W	27899.1	43931.6	13260.4	115.	1.667	14260.	8.56	1.76	40.	14300.
USSR	78 7 4	4406N	12458W	27788.6	43931.1	13151.3	77.	3.083	26360.	8.55	1.47	40.	26400.
USSR	78 627	4726N	12449W	28026.1	43909.7	11747.9	115.	1.250	10654.	8.52	1.42	346.	11000.
USSR	78 727	4402N	12457W	27783.9	43930.5	13184.2	109.	2.583	21973.	8.51	1.47	27.	22000.
USSR	78 718	4353N	12432W	27814.8	43932.0	13260.7	90.	2.583	21865.	8.46	1.56	135.	22000.
USSR	79 6 7	4422N	12429W	27865.2	43934.8	13011.0	33.	2.083	17600.	8.45	1.63	0.	17600.
USSR	79 720	4303N	12501W	27861.2	43908.1	13694.5	82.	2.083	17600.	8.45	1.76	0.	17600.
USSR	78 8 3	4403N	12456W	27787.3	43930.8	13175.9	82.	2.083	17600.	8.45	1.58	0.	17600.
USSR	79 715	4405N	12434W	27830.3	43933.3	13157.5	33.	2.083	17585.	8.44	1.74	15.	17600.
POLAND	79 626	4303N	12503W	27563.9	43909.1	13668.5	123.	2.500	21098.	8.44	1.63	22.	21120.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE		APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)	
	YYMMDD	LAT	LONG	9X	5Y								9Z
USSR	78 7 15	4400N	12455W	27784.1	43930.4	13200.7	109.	2.583	21786.	8.43	1.57	214.	22000.
USSR	77 6 13	4357N	12435W	27815.7	43932.2	13226.1	87.	2.083	17533.	8.42	1.50	67.	17600.
USSR	77 7 8	4412N	12426W	27852.3	43934.3	13096.6	27.	1.833	15382.	8.39	1.56	18.	15400.
USSR	77 6 16	4426N	12447W	27838.7	43934.3	12983.6	104.	1.833	15335.	8.36	1.58	65.	15400.
POLAND	77 8 10	4320N	12505W	27694.5	43916.5	13528.3	96.	3.417	28508.	8.34	1.54	92.	28600.
USSR	77 6 12	4354N	12439W	27803.3	43931.3	13251.6	109.	1.583	13200.	8.34	1.55	0.	13200.
USSR	78 6 18	4459N	12427W	27918.0	43933.6	12698.5		1.583	13192.	8.33	1.34	8.	13200.
USSR	79 7 29	4346N	12433W	27801.2	43930.6	13321.0	82.	4.750	39556.	8.33	1.80	44.	39600.
USSR	77 6 19	4502N	12423W	27928.6	43933.0	12670.3	104.	1.583	13177.	8.32	1.56	23.	13200.
USSR	78 7 26	4310N	12447W	27707.7	43916.9	13621.8	153.	3.167	26331.	8.32	1.41	69.	26400.
USSR	79 7 23	4313N	12446W	27715.6	43918.4	13597.2	82.	3.167	26329.	8.31	2.00	71.	26400.
USSR	78 6 8	4342N	12435W	27790.5	43929.5	13355.0	98.	1.833	15214.	8.30	1.41	186.	15400.
USSR	78 6 2	4429N	12441W	27853.6	43934.7	12956.4	82.	1.333	11000.	8.25	1.67	0.	11000.
USSR	77 7 2	4305N	12450W	27691.9	43913.8	13661.5	93.	2.667	21991.	8.25	1.45	9.	22000.
USSR	79 7 17	4448N	12435W	27890.2	43934.7	12795.4	38.	1.333	10984.	8.24	1.71	16.	11000.
USSR	77 6 14	4442N	12437W	27878.7	43934.9	12846.3	115.	1.333	10974.	8.23	1.54	26.	11000.
USSR	78 7 29	4401N	12457W	27782.2	43930.3	13192.5	55.	2.667	21934.	8.23	1.61	66.	22000.
USSR	78 7 10	4437N	12426W	27891.5	43934.8	12881.9	98.	2.667	21932.	8.22	1.49	68.	22000.
USSR	78 7 19	4426N	12446W	27840.4	43934.4	12983.3	96.	1.333	10917.	8.19	1.47	83.	11000.
USSR	79 6 6	4520N	12422W	27951.1	43930.7	12522.8	109.	3.000	24528.	8.18	1.47	112.	24640.
USSR	78 7 8	4401N	12454W	27787.5	43930.7	13192.4	98.	1.883	15382.	8.17	1.56	18.	15400.
USSR	79 7 30	4522N	12425W	27948.3	43930.8	12510.3	167.	2.583	21070.	8.16	1.74	50.	21120.
USSR	78 7 25	4405N	12501W	27781.6	43930.6	13159.8	93.	3.500	28467.	8.13	1.50	133.	28600.
USSR	78 8 6	4414N	12456W	27804.8	43932.5	13085.2	96.	3.250	26400.	8.12	1.61	0.	26400.
USSR	79 7 7	4401N	12429W	27833.4	43933.3	13191.7	44.	2.167	17596.	8.12	1.87	4.	17600.
USSR	77 6 19	4506N	12426W	27928.2	43932.9	12640.2	137.	2.667	21647.	8.12	1.59	353.	22000.
POLAND	79 6 27	4308N	12504W	27672.3	43911.3	13627.0	109.	2.167	17585.	8.12	1.66	15.	17600.
USSR	78 6 10	4357N	12444W	27799.0	43931.2	13225.9	71.	2.167	17560.	8.10	1.45	40.	17600.
USSR	78 7 30	4355N	12452W	27791.1	43929.8	13242.4	71.	1.750	14163.	8.09	1.61	137.	14300.
USSR	78 7 19	4426N	12447W	27938.7	43934.3	12983.6	131.	1.833	14817.	8.08	1.50	583.	15400.
USSR	78 6 5	4357N	12457W	27715.5	43929.6	13225.6	82.	1.500	12100.	8.07	1.52	0.	12100.
USSR	79 6 12	4347N	12434W	27801.0	43930.7	13312.2	82.	1.333	10745.	8.06	0.95	35.	10780.
USSR	79 6 9	4336N	12438W	27777.8	43928.2	13388.5	109.	2.833	22647.	7.99	1.60	13.	22660.
USSR	78 6 5	4453N	12428W	27908.8	43934.1	12749.0	131.	2.750	21930.	7.97	1.58	70.	22000.
POLAND	80 7 15	4443N	12435W	27883.6	43934.8	12836.8	87.	2.750	21912.	7.97	1.76	88.	22000.
USSR	79 7 24	4338N	12432W	27789.3	43929.1	13390.3	71.	2.333	18570.	7.96	1.74	790.	19360.
USSR	77 7 26	4404N	12456W	27738.9	43931.0	13167.7	87.	1.917	15245.	7.95	1.80	155.	15400.
USSR	78 6 8	4452N	12432W	27900.6	43934.4	12760.2	109.	2.167	17217.	7.95	1.58	383.	17600.
USSR	78 6 10	4359N	12453W	27786.0	43930.5	13209.0	82.	0.833	6600.	7.92	1.40	0.	6600.
USSR	78 7 13	4711N	12459W	28001.3	43915.8	11843.2	107.	0.833	6596.	7.91	1.67	4.	6600.
USSR	78 6 8	4508N	12425W	27932.3	43932.5	12623.0	137.	2.500	19787.	7.91	1.61	13.	19800.
USSR	78 7 10	4317N	12446W	27719.7	43919.5	13562.4		1.667	13186.	7.91	1.33	14.	13200.
USSR	77 6 16	4440N	12435W	27879.5	43934.9	12861.7	98.	1.667	13186.	7.91	1.52	14.	13200.
USSR	79 8 1	4717N	12442W	28028.5	43910.1	11778.4	44.	2.750	21679.	7.88	2.07	321.	22000.
USSR	79 6 10	4344N	12438W	27788.3	43929.5	13337.2	66.	2.833	22196.	7.83	1.62	24.	22220.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	77 723	4728N	12452W	28023.8	43910.0	11744.3	93.	1.333	10430.	7.82	1.83	130.	10560.
USSR	77 617	4428N	12452W	27832.9	43934.2	12969.1	139.	2.250	17597.	7.82	1.67	3.	17600.
USSR	79 716	4405N	12431W	27835.9	43933.6	13157.3	49.	2.250	17565.	7.81	1.69	35.	17600.
USSR	78 617	4500N	12423W	27926.2	43933.2	12686.9		2.250	17539.	7.80	1.46	61.	17600.
USSR	79 717	4459N	12426W	27919.7	43933.5	12697.7	126.	2.833	21995.	7.76	1.75	5.	22000.
USSR	79 612	4334N	12438W	27770.6	43927.1	13422.8	82.	2.833	21993.	7.76	1.66	7.	22000.
USSR	77 614	4527N	12425W	27953.8	43930.1	12470.8	126.	1.417	10996.	7.76	1.54	55.	11051.
USSR	78 7 3	4433N	12444W	27854.0	43934.7	12924.5	153.	2.833	21980.	7.76	1.61	20.	22000.
USSR	79 718	4354N	12450W	27783.1	43929.9	13250.8	109.	2.833	21950.	7.75	1.43	50.	22000.
USSR	78 2 6	4728N	12449W	26027.6	43909.2	11738.3	93.	1.417	10973.	7.75	1.80	28.	11000.
USSR	78 713	4357N	12434W	27817.6	43932.3	13226.2	82.	1.417	10944.	7.72	1.45	56.	11000.
USSR	78 713	4705N	12438W	28024.7	43912.1	11833.5	49.	1.250	9589.	7.67	1.51	1411.	11000.
USSR	77 6 5	4306N	12451W	27692.1	43914.0	13652.5	148.	2.833	21647.	7.64	1.80	353.	22000.
USSR	79 030	4304N	12457W	27676.8	43911.3	13664.7	98.	2.333	17594.	7.54	1.74	6.	17600.
USSR	78 627	4356N	12439W	27806.6	43931.6	13234.5	93.	2.333	17582.	7.54	1.43	18.	17600.
USSR	73 022	4500N	12426W	27921.0	43933.4	12689.4	159.	2.333	17582.	7.54	1.52	18.	17600.
USSR	78 6 7	4453N	12431W	27903.6	43934.3	12751.2	87.	2.917	21974.	7.53	1.58	26.	22000.
USSR	73 723	4405N	12457W	27788.8	43931.1	13159.5	109.	2.917	21968.	7.53	1.63	32.	22000.
POLAND	80 629	4415N	12455W	27808.1	43932.7	13076.8	109.	1.000	7514.	7.51	1.61	626.	8140.
USSR	78 724	4710N	12459W	28000.5	43916.1	11848.4		1.750	13118.	7.50	1.85	82.	13200.
USSR	77 614	4430N	12443W	27851.5	43934.7	12948.9	98.	1.750	13115.	7.49	1.58	85.	13200.
USSR	78 629	4429N	12446W	27844.8	43934.5	12958.4	164.	1.167	8731.	7.48	1.58	69.	8800.
USSR	79 717	4359N	12439W	27811.5	43932.1	13209.0	60.	3.000	22408.	7.47	1.74	32.	22440.
POLAND	79 719	4427N	12426W	27877.8	43934.9	12967.1	45.	2.950	22000.	7.46	1.61	0.	22000.
POLAND	79 727	4426N	12443W	27842.2	43934.4	12982.2	120.	1.000	7455.	7.46	1.78	1345.	8800.
USSR	78 713	4717N	12451W	28016.6	43912.5	11796.6		2.167	16081.	7.42	1.51	1739.	17820.
USSR	78 6 4	4344N	12434W	27795.9	43930.1	13338.0	82.	2.083	15400.	7.39	1.47	0.	15400.
USSR	77 619	4453N	12434W	27898.4	43934.4	12753.5	159.	2.083	15397.	7.39	1.61	3.	15400.
USSR	78 716	4427N	12434W	27863.2	43934.8	12970.3	36.	2.083	15391.	7.39	1.63	9.	15400.
USSR	77 612	4403N	12455W	27789.0	43931.0	13175.9	87.	1.417	10448.	7.37	1.58	11.	10459.
POLAND	78 2 2	4358N	12457W	27777.2	43929.8	13217.3	191.	2.333	17118.	7.34	1.58	482.	17600.
USSR	77 712	4557N	12423W	27987.7	43924.4	12240.2	77.	0.750	5500.	7.33	1.83	1100.	6600.
USSR	79 715	4313N	12458W	27693.3	43915.3	13589.8	109.	1.500	11000.	7.33	1.83	0.	11000.
POLAND	77 620	4307N	12501W	27675.7	43911.7	13637.2	49.	3.000	22000.	7.33	1.46	0.	22000.
USSR	77 614	4447N	12434W	27890.6	43934.7	12803.0	142.	3.000	22000.	7.33	1.58	0.	22000.
USSR	78 627	4352N	12455W	27770.7	43928.8	13267.1	82.	1.500	10996.	7.33	1.43	4.	11000.
USSR	78 7 1	4355N	12456W	27774.0	43929.3	13242.2	109.	1.500	10986.	7.32	1.50	14.	11000.
USSR	79 8 9	4318N	12443W	27731.1	43921.1	13556.8	109.	3.000	21964.	7.32	2.07	36.	22000.
USSR	77 7 3	4346N	12433W	27801.2	43930.6	13321.0	104.	1.500	10971.	7.31	1.79	29.	11000.
USSR	77 8 0	4315N	12457W	27699.1	43916.4	13573.8	109.	2.417	17574.	7.27	1.61	26.	17600.
USSR	78 813	4417N	12454W	27812.9	43933.1	13060.1	98.	2.750	19775.	7.19	1.67	25.	19800.
USSR	77 615	4353N	12437W	27805.4	43931.4	13260.3	82.	0.917	6592.	7.19	1.58	8.	6600.
USSR	77 610	4354N	12451W	27781.3	43929.8	13250.8	137.	1.833	13178.	7.19	1.58	22.	13200.
USSR	78 729	4427N	12447W	27840.2	43934.4	12975.4		1.500	10779.	7.19	1.70	11221.	22000.
USSR	78 714	4725N	12450W	28024.1	43910.2	11754.8	71.	1.833	13140.	7.17	1.69	60.	13200.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE		APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)	
	YYMMDD	LAT	LONG	9X	9Y	9Z	DEPTH (FMS)						HOURS TRAWLED
USSR	77 8 9	4313N	12448W	27711.8	43917.9	13596.0	148.	3.667	26271.	7.16	1.43	129.	26400.
USSR	79 721	4352N	12449W	27781.5	43929.6	13267.7	148.	3.750	26825.	7.15	1.91	15.	26840.
POLAND	80 715	4433N	12438W	27864.6	43934.9	12921.7	128.	2.083	14900.	7.15	1.67	60.	14960.
USSR	78 623	4317N	12447W	27721.6	43919.7	13563.0	142.	3.083	22000.	7.14	1.53	0.	22000.
USSR	78 720	4318N	12445W	27727.3	43920.6	13555.7	164.	3.083	21970.	7.13	1.45	30.	22000.
USSR	78 8 5	4400N	12458W	27778.8	43930.0	13200.8	66.	3.083	21968.	7.12	1.54	32.	22000.
POLAND	77 7 5	4309N	12454W	27692.6	43914.6	13625.5	66.	2.167	15400.	7.11	1.33	0.	15400.
USSR	78 7 2	4501N	12423W	27927.4	43933.1	12678.6	115.	2.167	15400.	7.11	1.36	0.	15400.
USSR	78 610	4355N	12458W	27770.5	43929.0	13242.1	82.	0.583	4121.	7.07	1.29	2479.	6600.
USSR	79 627	4317N	12450W	27715.9	43919.0	13561.2	98.	3.417	24119.	7.06	1.61	81.	24200.
USSR	78 8 1	4406N	12456W	27792.1	43931.3	13151.1	96.	1.250	8800.	7.04	1.72	0.	8800.
USSR	78 615	4353N	12445W	27790.5	43930.4	13259.6	87.	1.250	8793.	7.03	1.41	7.	8800.
USSR	79 716	4409N	12435W	27834.7	43933.7	13123.4	33.	1.250	8779.	7.02	1.78	21.	8800.
USSR	78 727	4350N	12433W	27808.0	43931.3	13286.5	82.	1.500	10529.	7.02	1.50	471.	11000.
USSR	78 8 5	4402N	12459W	27780.4	43930.3	13184.3	68.	2.500	17489.	7.00	1.58	111.	17600.
USSR	78 720	4417N	12454W	27812.9	43933.1	13060.1	98.	1.250	8727.	6.98	1.63	73.	8800.
USSR	79 728	4419N	12445W	27831.8	43933.9	13041.2	77.	1.000	6969.	6.97	1.72	291.	7260.
USSR	77 617	4503N	12422W	27931.5	43932.8	12681.2	115.	1.583	10989.	6.94	1.63	11.	11000.
USSR	79 716	4405N	12433W	27832.2	43933.4	13157.4	33.	1.583	10980.	6.93	1.77	20.	11000.
USSR	79 630	4323N	12457W	27714.6	43919.7	13507.6	109.	1.583	10971.	6.93	1.72	29.	11000.
USSR	79 812	4355N	12434W	27814.3	43932.0	13243.3	55.	1.583	10970.	6.93	1.83	30.	11000.
USSR	79 630	4318N	12450W	27706.8	43918.0	13549.5	109.	1.583	10947.	6.91	1.67	53.	11000.
USSR	78 630	4448N	12434W	27891.9	43934.6	12794.7	109.	1.917	13200.	6.89	1.53	0.	13200.
POLAND	78 7 7	4319N	12443W	27733.1	43921.4	13548.3	164.	1.917	13153.	6.86	1.52	47.	13200.
POLAND	79 729	4437N	12437W	27871.9	43934.9	12887.8	164.	3.333	22350.	6.85	1.98	30.	22880.
USSR	77 731	4314N	12447W	27715.7	43918.5	13588.2	492.	2.667	18268.	6.85	1.60	3732.	22000.
USSR	78 722	4401N	12457W	27782.2	43930.3	13192.5	82.	2.250	15375.	6.83	1.45	2225.	17600.
USSR	78 721	4727N	12448W	28028.2	43909.2	11741.1	109.	1.583	10819.	6.83	1.63	181.	11000.
USSR	77 728	4418N	12501W	27802.4	43932.6	13053.7	109.	2.250	15366.	6.83	1.58	34.	15400.
USSR	77 613	4424N	12448W	27834.0	43934.1	13000.5	96.	2.250	15361.	6.83	1.58	39.	15400.
USSR	79 611	4350N	12444W	27787.3	43929.9	13285.1	93.	3.000	20458.	6.82	1.72	2.	20460.
USSR	78 714	4355N	12433W	27816.2	43932.1	13243.4	87.	2.417	16394.	6.78	1.50	106.	16500.
USSR	79 630	4341N	12435W	27788.8	43929.3	13363.6	93.	3.250	21963.	6.76	1.63	37.	22000.
USSR	78 725	4320N	12445W	27731.2	43921.3	13538.8	164.	3.250	21932.	6.75	1.41	68.	22000.
POLAND	79 730	4300N	12453W	27675.9	43910.5	13700.8	230.	1.000	6745.	6.75	1.87	75.	6820.
USSR	78 6 9	4355N	12456W	27774.0	43929.3	13242.2	82.	3.583	23982.	6.69	1.54	218.	24200.
USSR	77 8 3	4311N	12447W	27709.7	43917.3	13613.4	153.	3.667	24453.	6.67	1.58	8547.	33000.
POLAND	80 724	4443N	12434W	27885.3	43934.8	12836.2	82.	2.167	14405.	6.65	1.85	3195.	17600.
USSR	78 8 7	4402N	12502W	27775.1	43929.9	13184.5	87.	1.333	8800.	6.60	1.54	0.	8800.
POLAND	77 7 2	4315N	12455W	27702.7	43917.0	13575.0	82.	3.333	22000.	6.60	1.51	0.	22000.
USSR	78 610	4356N	12446W	27793.7	43930.8	13234.3	71.	1.667	11000.	6.60	1.43	0.	11000.
USSR	77 7 4	4324N	12455W	27720.2	43920.5	13500.2	77.	1.000	6600.	6.60	1.47	0.	6600.
USSR	78 7 2	4458N	12423W	27923.8	43933.4	12703.4	82.	1.667	11000.	6.60	1.39	0.	11000.
USSR	79 8 1	4416N	12506W	27790.8	43931.8	13071.1	109.	1.667	10995.	6.60	1.76	5.	11000.
USSR	79 721	4351N	12447W	27783.5	43929.7	13276.3	153.	3.333	21989.	6.60	1.85	11.	22000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	77 618	4506N	12422W	27935.1	43932.5	12636.4	93.	2.000	13193.	6.60	1.67	7.	13200.
USSR	76 722	4727N	12452W	28023.0	43910.2	11749.1		1.333	8795.	6.60	1.65	5.	8800.
USSR	77 727	4416N	12459W	27802.7	43932.5	13069.5	87.	1.667	10994.	6.60	1.67	6.	11000.
USSR	78 7 1	4357N	12457W	27775.6	43929.6	13225.6	109.	1.667	10992.	6.60	1.52	8.	11000.
USSR	79 626	4350N	12434W	27806.0	43931.2	13286.3	82.	0.667	4395.	6.59	1.72	6.	4400.
USSR	78 630	4355N	12454W	27777.6	43929.6	13242.3		1.000	6588.	6.59	1.40	12.	6600.
USSR	79 622	4342N	12432W	27796.3	43930.0	13355.7	16.	2.000	13168.	6.58	1.56	32.	13200.
USSR	78 7 2	4402N	12458W	27782.1	43930.4	13184.3	109.	2.667	17554.	6.58	1.54	46.	17600.
USSR	78 7 8	4354N	12454W	27775.9	43929.3	13250.6	109.	1.667	10971.	6.58	1.65	29.	11000.
USSR	79 813	4404N	12437W	27823.2	43933.0	13166.3	49.	2.333	15355.	6.58	2.18	45.	15400.
USSR	79 711	4509N	12420W	27942.0	43931.9	12609.9	131.	1.667	10966.	6.58	1.67	34.	11000.
USSR	78 8 2	4405N	12456W	27790.5	43931.2	13159.4	82.	2.000	13156.	6.58	1.63	44.	13200.
USSR	78 716	4414N	12435W	27842.3	43934.1	13080.8	55.	1.333	8768.	6.58	1.52	32.	8800.
USSR	77 615	4433N	12439W	27862.8	43934.8	12922.1	142.	1.667	10955.	6.57	1.54	49.	11004.
USSR	78 6 8	4453N	12431W	27903.6	43934.3	12751.2	202.	2.000	13143.	6.57	1.52	57.	13200.
USSR	79 6 6	4417N	12429W	27857.9	43934.6	13053.8	57.	0.333	2188.	6.56	1.76	12.	2200.
USSR	77 619	4505N	12421W	27935.6	43932.5	12643.7	93.	1.000	6560.	6.56	1.56	40.	6600.
USSR	79 610	4703N	12443W	28016.3	43913.9	11854.4	55.	1.583	10367.	6.55	2.24	1953.	12320.
POLAND	78 730	4346N	12431W	27805.1	43930.9	13321.3	82.	2.167	14178.	6.54	1.65	1222.	15400.
USSR	78 716	4427N	12445W	27843.7	43934.5	12974.6	101.	1.000	6536.	6.54	1.67	64.	6600.
USSR	79 7 6	4345N	12436W	27793.8	43930.0	13329.0	104.	2.333	15188.	6.51	1.74	1312.	16500.
USSR	79 811	4343N	12434W	27794.2	43929.9	13346.6	66.	1.333	8650.	6.49	1.91	150.	8800.
POLAND	80 719	4316N	12445W	27723.4	43919.8	13572.5	153.	3.167	20466.	6.46	1.43	214.	20680.
USSR	78 731	4424N	12445W	27839.3	43934.3	12999.5	66.	1.667	10762.	6.46	1.69	238.	11000.
POLAND	77 810	4316N	12515W	27669.2	43912.1	13555.4	98.	4.417	28363.	6.42	1.61	237.	28600.
POLAND	79 629	4304N	12502W	27675.9	43911.9	13628.3	98.	3.667	23524.	6.42	1.67	16.	23540.
USSR	79 812	4354N	12441W	27799.6	43931.1	13251.4	82.	2.333	14953.	6.41	1.83	7.	14960.
USSR	79 629	4338N	12432W	27789.3	43929.1	13390.3	104.	3.083	19757.	6.41	1.67	43.	19800.
USSR	79 6 9	4346N	12435W	27797.4	43930.4	13320.6	90.	2.750	17585.	6.39	1.65	15.	17600.
USSR	79 715	4405N	12437W	27824.8	43933.1	13157.8	44.	2.000	12739.	6.37	1.76	21.	12760.
POLAND	77 623	4303N	12459W	27671.1	43910.3	13671.4	33.	3.083	19580.	6.35	1.50	2.	19582.
USSR	77 7 5	4348N	12431W	27808.4	43931.2	13304.0	90.	2.750	17448.	6.34	1.70	152.	17600.
USSR	78 625	4321N	12445W	27733.1	43921.7	13530.3	126.	2.083	13200.	6.34	1.61	0.	13200.
USSR	78 724	4702N	12458W	28001.0	43916.1	11851.7		2.083	13165.	6.32	1.83	35.	13200.
POLAND	77 622	4312N	12522W	27649.4	43908.2	13583.3	87.	1.750	11000.	6.29	1.45	0.	11000.
USSR	78 723	4403N	12457W	27735.5	43930.7	13176.0	82.	1.750	11000.	6.29	1.54	0.	11000.
USSR	78 724	4410N	12459W	27793.3	43931.6	13118.6	120.	1.750	11000.	6.29	1.58	0.	11000.
USSR	78 725	4358N	12456W	27779.0	43929.9	13217.3	98.	1.750	11000.	6.29	1.58	4400.	15400.
USSR	78 713	4354N	12441W	27799.6	43931.1	13251.4	142.	1.750	10998.	6.28	1.52	2.	11000.
USSR	78 7 2	4356N	12459W	27770.4	43929.1	13233.8	109.	1.750	10993.	6.28	1.58	7.	11000.
USSR	78 727	4354N	12449W	27764.9	43930.0	13250.9	93.	1.750	10990.	6.28	1.58	10.	11000.
USSR	78 627	4352N	12456W	27768.9	43928.6	13267.0	98.	2.417	15172.	6.28	1.43	8.	15180.
USSR	78 610	4354N	12446W	27790.3	43930.4	13251.1	112.	1.750	10982.	6.28	1.52	18.	11000.
USSR	78 611	4359N	12458W	27777.2	43929.8	13209.0	109.	1.750	10967.	6.27	1.45	33.	11000.
USSR	79 724	4308N	12450W	27698.0	43915.2	13636.5	87.	3.500	21930.	6.27	1.78	70.	22000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	78 724	4404N	12457W	27787.1	43930.9	13167.7	82.	3.500	21921.	6.26	1.54	79.	22000.
USSR	78 730	4403N	12456W	27787.3	43930.8	13175.9	55.	1.750	10940.	6.25	1.78	60.	11000.
USSR	79 710	4342N	12433W	27794.4	43929.8	13355.5	107.	3.167	19692.	6.22	1.91	106.	19800.
USSR	78 6 8	4410N	12458W	27795.0	43931.8	13118.4	98.	2.250	13983.	6.21	1.56	97.	14080.
USSR	78 722	4404N	12455W	27790.6	43931.1	13167.6	92.	1.667	10352.	6.21	1.75	1088.	11440.
USSR	77 625	4414N	12430W	27851.6	43934.4	13079.8	44.	2.833	17593.	6.21	1.47	7.	17600.
USSR	78 715	4404N	12439W	27819.5	43932.8	13166.4	123.	1.750	10856.	6.20	1.52	144.	11000.
USSR	77 613	4430N	12443W	27851.5	43934.7	12948.9	82.	3.167	19638.	6.20	1.69	162.	19800.
USSR	79 612	4344N	12433W	27797.8	43930.2	13338.2	87.	5.333	32970.	6.18	1.94	30.	33000.
POLAND	77 811	4342N	12505W	27735.5	43924.4	13348.1	82.	1.750	10796.	6.17	1.57	204.	11000.
POLAND	80 625	4308N	12448W	27701.8	43915.7	13637.9	131.	3.083	19005.	6.16	0.86	25.	19030.
USSR	79 6 7	4514N	12420W	27947.8	43931.3	12569.0	109.	3.583	21948.	6.12	1.54	52.	22000.
USSR	77 713	4555N	12425W	27982.6	43925.2	12257.9	82.	1.000	6110.	6.11	1.89	490.	6600.
POLAND	77 8 5	4317N	12451W	27714.1	43918.8	13560.7	44.	2.833	17267.	6.09	1.55	333.	17600.
USSR	78 6 6	4507N	12423W	27934.5	43932.5	12629.2	115.	1.083	6600.	6.09	1.46	0.	6600.
USSR	78 618	4459N	12429W	27914.6	43933.7	12700.2		1.083	6600.	6.09	1.37	0.	6600.
USSR	78 614	4358N	12457W	27777.2	43929.8	13217.3	87.	1.083	6600.	6.09	1.44	0.	6600.
USSR	77 7 2	4447N	12427W	27902.9	43934.4	12798.2	57.	1.083	6598.	6.09	1.98	2.	6600.
POLAND	79 714	4304N	12451W	27688.0	43913.1	13669.1	175.	1.417	8558.	6.04	1.74	22.	8580.
USSR	73 613	4410N	12457W	27796.8	43931.9	13118.3	66.	2.917	17504.	6.00	1.65	96.	17600.
USSR	77 626	4307N	12453W	27690.4	43913.9	13642.7	82.	1.833	10992.	6.00	1.54	8.	11000.
USSR	79 610	4342N	12430W	27784.8	43929.1	13354.3	71.	2.167	12977.	5.99	1.56	3.	12980.
USSR	77 619	4449N	12457W	27854.2	43934.9	12802.2	167.	1.833	10916.	5.95	1.58	84.	11000.
USSR	77 610	4407N	12457W	27792.0	43931.4	13143.0	150.	2.583	15377.	5.95	1.58	23.	15400.
USSR	78 6 8	4453N	12435W	27896.6	43934.5	12754.3	186.	3.333	19800.	5.94	1.41	0.	19800.
USSR	79 726	4335N	12434W	27780.1	43928.1	13415.6	109.	1.833	10889.	5.94	1.65	111.	11000.
USSR	77 622	4712N	12441W	28026.0	43911.2	11802.2	55.	3.667	21711.	5.92	2.02	289.	22000.
USSR	79 718	4336N	12437W	27779.7	43928.3	13388.3	191.	3.167	18738.	5.92	1.67	182.	18920.
POLAND	79 731	4302N	12453W	27680.1	43911.5	13684.2	230.	0.667	3931.	5.90	1.96	29.	3960.
USSR	77 6 7	4318N	12448W	27721.6	43919.9	13554.0	82.	5.583	32923.	5.90	1.54	77.	33000.
USSR	79 7 2	4352N	12451W	27777.9	43929.4	13267.5	60.	3.083	18176.	5.89	1.96	964.	19140.
USSR	78 722	4727N	12455W	28019.2	43911.0	11755.1		2.500	14721.	5.89	1.65	19.	14740.
USSR	79 730	4431N	12435W	27867.1	43934.9	12937.0	82.	4.417	25961.	5.88	1.93	439.	26400.
USSR	77 7 7	4351N	12439W	27798.3	43930.8	13277.2	180.	3.583	21061.	5.88	1.61	939.	22000.
USSR	77 628	4453N	12441W	27886.4	43934.7	12758.7	159.	1.750	10282.	5.88	1.61	718.	11000.
USSR	79 626	4318N	12501W	27697.7	43916.7	13546.8	98.	1.500	8800.	5.87	1.76	0.	8800.
USSR	77 630	4314N	12451W	27708.2	43917.5	13565.7	82.	1.500	8800.	5.87	1.63	0.	8800.
USSR	78 627	4353N	12453W	27776.0	43929.3	13259.0		0.750	4400.	5.87	1.40	0.	4400.
POLAND	77 620	4308N	12503W	27674.1	43911.6	13627.6	55.	0.750	4400.	5.87	1.57	0.	4400.
POLAND	77 623	4308N	12454W	27690.5	43914.1	13633.8	98.	3.750	22000.	5.87	1.50	0.	22000.
USSR	78 626	4354N	12448W	27786.7	43930.2	13251.0	0.	1.500	8799.	5.87	3.72	1.	8800.
USSR	79 626	4318N	12459W	27701.3	43917.2	13547.9	98.	2.250	13199.	5.87	1.74	1.	13200.
USSR	78 6 7	4405N	12456W	27790.5	43931.2	13159.4	71.	3.000	17593.	5.86	1.65	13207.	30800.
USSR	79 627	4356N	12435W	27814.1	43932.1	13234.7	87.	3.750	21989.	5.86	1.80	11.	22000.
USSR	77 614	4426N	12441W	27849.3	43934.6	12981.4	186.	1.500	8793.	5.86	1.58	7.	8800.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE		LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
	YMMDD	LAT		9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	77 7 5	4304N	12453W	27684.2	43912.5	13667.6	60.	2.250	13188.	5.86	1.50	12.	13200.
USSR	78 6 29	4409N	12500W	27790.0	43931.4	13126.9		2.250	13178.	5.86	1.49	22.	13200.
USSR	78 8 12	4440N	12432W	27884.8	43934.8	12860.0	93.	1.500	8777.	5.85	1.74	23.	8800.
USSR	79 7 21	4411N	12431W	27845.2	43934.1	13105.7	38.	1.500	8768.	5.85	1.83	32.	8800.
USSR	79 6 7	4504N	12423W	27931.0	43932.8	12653.8	87.	2.250	13146.	5.84	1.50	54.	13200.
USSR	77 6 30	4322N	12448W	27729.4	43921.4	13520.4	68.	4.167	24200.	5.81	1.69	0.	24200.
USSR	78 6 8	4431N	12436W	27861.8	43934.8	12938.4	55.	3.750	21653.	5.77	1.58	347.	22000.
POLAND	80 7 15	4431N	12437W	27863.5	43934.8	12937.9	109.	2.667	15318.	5.74	1.74	82.	15400.
USSR	78 6 27	4354N	12455W	27774.1	43929.2	13250.5	197.	1.917	10981.	5.73	1.65	19.	11000.
USSR	79 8 10	4338N	12434W	27785.5	43928.6	13359.7	115.	1.000	5707.	5.71	1.75	13.	5720.
USSR	77 7 30	4314N	12447W	27715.7	43918.5	13588.2	63.	3.000	17073.	5.69	1.58	527.	17600.
USSR	78 6 21	4355N	12432W	27318.1	43932.3	13243.4	71.	1.167	6600.	5.66	1.47	0.	6600.
USSR	78 6 7	4454N	12432W	27903.1	43934.3	12743.8	131.	1.167	6600.	5.66	0.70	0.	6600.
USSR	78 7 17	4718N	12453W	28014.8	43912.7	11795.5		1.167	6589.	5.65	1.69	11.	6600.
USSR	78 8 10	4409N	12456W	27796.9	43931.8	13126.4	60.	3.833	21626.	5.64	1.50	374.	22000.
USSR	79 7 9	4421N	12432W	27858.2	43934.6	13020.5	33.	3.333	18700.	5.61	1.72	0.	18700.
POLAND	80 7 15	4451N	12431W	27991.0	43934.4	12767.8	93.	3.917	21929.	5.60	1.78	71.	22000.
USSR	73 7 27	4427N	12445W	27843.7	43934.5	12974.6		2.000	11180.	5.59	1.68	2020.	13200.
USSR	77 6 13	4353N	12436W	27807.2	43931.5	13260.4	142.	2.750	15367.	5.59	1.45	33.	15400.
USSR	78 6 9	4451N	12435W	27894.1	43934.5	12770.7	159.	3.917	21742.	5.55	1.47	259.	22000.
USSR	77 6 14	4423N	12451W	27827.3	43933.9	13009.8	169.	1.583	8757.	5.53	1.52	43.	8800.
USSR	79 7 16	4410N	12433W	27839.9	43933.9	13114.6	33.	1.583	8744.	5.52	1.74	56.	8800.
POLAND	79 6 25	4300N	12506W	27652.2	43906.6	13690.6	109.	2.417	13343.	5.52	1.58	77.	13420.
USSR	79 6 6	4400N	12430W	27830.0	43933.1	13200.3	66.	3.167	17444.	5.51	1.74	156.	17600.
POLAND	77 6 21	4302N	12516W	27639.0	43904.6	13667.0	55.	2.000	11000.	5.50	1.44	0.	11000.
USSR	79 6 8	4347N	12437W	27795.3	43930.3	13311.7	115.	2.000	10996.	5.50	1.65	4.	11000.
USSR	73 7 21	4727N	12450W	28025.6	43909.7	11745.1		2.000	10993.	5.50	1.52	227.	11220.
USSR	77 6 15	4318N	12445W	27727.3	43920.6	13555.7	219.	2.000	10985.	5.49	1.78	15.	11000.
USSR	78 7 14	4356N	12437W	27810.3	43931.9	13234.6	139.	2.000	10981.	5.49	1.45	19.	11000.
USSR	78 7 23	4321N	12444W	27735.0	43921.9	13530.8	109.	2.000	10953.	5.48	1.52	47.	11000.
USSR	77 7 2	4400N	12431W	27828.1	43933.0	13200.4	71.	2.417	13187.	5.46	1.58	13.	13200.
USSR	77 8 6	4320N	12452W	27718.0	43919.7	13535.1	87.	2.417	13180.	5.45	1.60	20.	13200.
POLAND	79 6 29	4302N	12502W	27663.6	43908.9	13677.4	104.	3.917	21337.	5.45	1.69	3.	21340.
USSR	79 7 28	4419N	12447W	27828.3	43933.8	13041.7	98.	2.750	14965.	5.44	1.74	435.	15400.
USSR	77 7 27	4404N	12450W	27788.9	43931.0	13167.7	93.	2.000	10809.	5.40	1.69	191.	11000.
USSR	79 6 11	4351N	12434W	27807.7	43931.4	13277.7	22.	3.250	17556.	5.40	1.73	44.	17600.
POLAND	78 7 14	4703N	12434W	28028.6	43911.6	11836.3	56.	3.967	21377.	5.39	1.61	623.	22000.
USSR	79 6 8	4349N	12452W	27760.2	43927.6	13291.7	109.	4.083	21999.	5.39	1.57	1.	22000.
USSR	78 8 6	4727N	12450W	28025.6	43909.7	11745.1	82.	2.417	13927.	5.35	1.65	273.	13200.
USSR	79 7 15	4407N	12436W	27829.7	43933.4	13140.6	49.	1.250	6600.	5.28	1.89	0.	6600.
USSR	78 7 23	4405N	12456W	27790.5	43931.2	13159.4	87.	0.833	4400.	5.28	1.78	0.	4400.
USSR	79 7 15	4407N	12435W	27831.6	43933.5	13140.5	52.	2.917	15400.	5.28	1.76	0.	15400.
USSR	79 6 7	4320N	12444W	27733.1	43921.6	13539.3	104.	1.667	8800.	5.28	1.91	0.	8800.
USSR	78 7 13	4724N	12451W	28022.0	43910.7	11761.7	126.	1.250	6598.	5.28	1.61	2.	6600.
USSR	78 7 20	4351N	12434W	27807.7	43931.4	13277.7	109.	1.667	8796.	5.28	1.47	4.	8800.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE		APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)	
	YYMMDD	LAT	LONG	9X	9Y	9Z	DEPTH (FMS)						HOURS TRAWLED
USSR	79 610	4345N	12439W	27788.1	43929.6	13328.4	109.	1.750	9236.	5.28	1.43	4.	9240.
USSR	78 8 1	4429N	12444W	27848.3	43934.6	12957.6	87.	1.667	8790.	5.27	1.65	10.	8600.
POLAND	80 719	4318N	12450W	27717.9	43919.4	13552.9	153.	2.083	10987.	5.27	1.56	22013.	33000.
USSR	78 713	4724N	12451W	28022.0	43910.7	11761.7	164.	2.500	13183.	5.27	1.72	17.	13200.
USSR	79 727	4557N	12443W	27956.7	43927.9	12271.2	156.	0.833	4394.	5.27	1.74	6.	4400.
USSR	77 625	4413N	12431W	27848.2	43934.2	13088.6	33.	2.083	10983.	5.27	1.76	17.	11000.
USSR	78 624	4354N	12456W	27772.3	43929.1	13250.5	14.	2.083	10973.	5.27	1.50	27.	11000.
USSR	77 725	4427N	12446W	27841.9	43934.4	12975.0	97.	1.250	6562.	5.25	1.58	38.	6600.
POLAND	80 626	4500N	12424W	27924.4	43933.3	12687.7	128.	3.467	18191.	5.25	1.63	69.	18260.
USSR	78 710	4523N	12429W	27942.9	43931.1	12507.0	109.	2.417	12681.	5.25	1.47	9319.	22000.
USSR	77 612	4400N	12457W	27780.6	43930.2	13200.8	145.	1.667	8735.	5.24	1.61	65.	8800.
USSR	79 720	4527N	12456W	27903.8	43933.3	12507.4	131.	2.017	10539.	5.23	1.54	21.	10560.
USSR	79 731	4413N	12506W	27786.1	43931.4	13095.3	109.	3.750	19577.	5.22	1.61	3.	19580.
USSR	79 715	4409N	12432W	27840.3	43933.9	13123.0	55.	3.167	16495.	5.21	2.00	5.	16500.
POLAND	80 722	4314N	12445W	27719.5	43919.0	13589.4	153.	1.250	6510.	5.21	1.58	90.	6600.
POLAND	77 814	4348N	12435W	27800.8	43930.7	13303.4		6.333	32931.	5.20	1.54	69.	33000.
POLAND	79 629	4307N	12502W	27673.9	43911.4	13636.5	104.	3.667	18920.	5.16	1.78	0.	18920.
POLAND	79 627	4310N	12501W	27691.8	43913.1	13612.6	104.	2.083	10701.	5.14	1.67	79.	10780.
POLAND	77 7 4	4324N	12507W	27698.7	43917.7	13494.6	60.	3.000	15391.	5.13	1.50	9.	15400.
USSR	78 713	4705N	12436W	28024.7	43912.1	11833.5	49.	0.917	4698.	5.13	1.62	1902.	6600.
USSR	79 719	4305N	12451W	27690.0	43913.5	13660.8	93.	1.500	7674.	5.12	1.69	26.	7700.
POLAND	77 811	4352N	12431W	27815.1	43931.9	13269.4	66.	3.417	17465.	5.11	1.61	135.	17600.
USSR	78 8 7	4403N	12455W	27797.1	43931.8	13134.5	87.	2.583	13200.	5.11	1.53	0.	13200.
POLAND	77 810	4312N	12515W	27661.2	43910.2	13587.5	126.	3.433	17543.	5.11	1.50	57.	17600.
USSR	78 713	4726N	12446W	28027.4	43909.4	11745.9	32.	2.583	13176.	5.10	1.72	24.	13200.
USSR	79 714	4354N	12452W	27779.5	43929.6	13250.7	109.	1.250	6351.	5.08	0.68	249.	6600.
USSR	77 620	4521N	12422W	27952.2	43930.5	12514.8	131.	2.583	13120.	5.08	1.54	80.	13200.
USSR	79 716	4403N	12436W	27831.3	43933.5	13132.1	44.	4.333	21998.	5.08	1.63	2.	22000.
POLAND	80 728	4330N	12448W	27744.4	43924.1	13453.0	98.	4.167	21144.	5.07	1.74	196.	21340.
USSR	77 6 9	4317N	12449W	27717.8	43919.3	13561.8	109.	2.167	10991.	5.07	1.47	9.	11000.
POLAND	79 731	4308N	12450W	27698.0	43915.2	13636.5	82.	1.083	5466.	5.05	1.94	34.	5500.
USSR	77 616	4440N	12437W	27876.0	43934.9	12662.9	137.	2.167	10927.	5.04	1.72	73.	11000.
USSR	79 811	4341N	12436W	27786.9	43929.2	13363.3	55.	1.750	8799.	5.03	1.67	1.	8900.
USSR	79 720	4353N	12448W	27785.0	43930.0	13259.4	148.	3.500	17598.	5.03	1.85	2.	17600.
POLAND	77 7 4	4321N	12509W	27705.4	43918.2	13522.6	66.	3.500	17593.	5.03	1.44	7.	17600.
POLAND	80 722	4703N	12443W	28016.3	43913.9	11854.4	57.	3.750	18826.	5.02	1.85	94.	18920.
POLAND	80 727	4359N	12457W	27778.9	43930.0	13209.0	120.	5.250	26355.	5.02	1.78	3125.	29480.
POLAND	79 722	4305N	12451W	27690.0	43913.5	13660.8	137.	1.750	8780.	5.02	2.00	20.	8800.
POLAND	80 712	4409N	12458W	27793.4	43931.6	13126.7	109.	5.250	26308.	5.01	1.51	92.	26400.
USSR	77 619	4458N	12427W	27916.8	43933.7	12706.8	150.	3.083	15344.	4.98	1.58	56.	15400.
USSR	77 8 4	4300N	12500W	27663.0	43908.4	13695.3	82.	3.500	17411.	4.97	1.63	109.	17600.
USSR	78 815	4425N	12446W	27839.0	43934.3	12991.6	71.	2.667	13200.	4.95	1.54	0.	13200.
USSR	78 726	4355N	12434W	27814.3	43932.0	13243.3	82.	1.333	6599.	4.95	1.54	1.	6600.
USSR	77 7 1	4450N	12428W	27905.0	43934.3	12773.9	77.	1.333	6590.	4.94	1.67	10.	6600.
USSR	78 6 3	4404N	12456W	27788.9	43931.0	13167.7	60.	2.000	9885.	4.94	1.58	15.	9900.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	78 7 6	4355N	12434W	27814.3	43932.0	13243.3	115.	2.667	13179.	4.94	1.67	21.	13200.
USSR	78 7 17	4351N	12436W	27803.9	43931.2	13277.5	82.	1.333	6585.	4.94	1.56	15.	6600.
USSR	79 6 6	4407N	12429W	27842.8	43933.9	13139.8	63.	1.333	6576.	4.93	1.67	24.	6600.
USSR	78 6 7	4727N	12448W	28028.2	43909.2	11741.1	44.	1.333	6573.	4.93	1.65	27.	6600.
POLAND	79 6 25	4300N	12515W	27636.5	43903.8	13683.7	104.	1.333	6565.	4.92	1.63	35.	6600.
USSR	77 6 28	4445N	12444W	27670.6	43934.9	12625.9	156.	1.333	6540.	4.90	1.63	60.	6600.
POLAND	77 6 27	4307N	12501W	27675.7	43911.7	13637.2	123.	3.500	17118.	4.89	1.72	42.	17160.
USSR	77 8 13	4304N	12451W	27686.0	43513.1	13669.1	87.	2.250	11000.	4.89	1.62	0.	11000.
USSR	78 6 30	4453N	12430W	27905.3	43934.2	12750.5	120.	2.250	11000.	4.89	1.46	0.	11000.
POLAND	79 7 22	4306N	12450W	27693.9	43914.3	13653.2	213.	2.250	10991.	4.88	1.85	9.	11000.
POLAND	77 6 28	4328N	12440W	27755.8	43925.1	13473.3	25.	4.500	21956.	4.88	1.76	44.	22000.
USSR	78 8 9	4409N	12457W	27795.2	43931.7	13126.5	71.	1.833	8932.	4.87	1.47	8888.	17820.
USSR	78 7 20	4321N	12444W	27735.0	43921.9	13530.8	148.	2.250	10956.	4.87	1.43	44.	11000.
USSR	78 7 30	4354N	12453W	27777.7	43929.5	13250.6	77.	1.533	7700.	4.86	1.50	0.	7700.
USSR	78 7 23	4321N	12445W	27733.1	43921.7	13530.3	109.	3.167	15400.	4.86	1.41	0.	15400.
USSR	78 8 9	4413N	12453W	27817.7	43933.4	13043.4	82.	2.250	10940.	4.86	1.69	60.	11000.
POLAND	80 7 25	4431N	12436W	27861.8	43934.8	12938.4	92.	3.417	16555.	4.85	1.89	16445.	33000.
USSR	78 7 25	4355N	12445W	27793.8	43930.8	13242.7	82.	3.667	17600.	4.80	1.56	0.	17600.
USSR	77 6 30	4310N	12451W	27700.2	43915.6	13619.1	87.	0.917	4400.	4.80	1.41	0.	4400.
USSR	78 7 17	4347N	12431W	27806.8	43931.1	13312.7	93.	1.833	8793.	4.80	1.41	7.	8800.
USSR	78 7 16	4727N	12455W	28019.2	43911.0	11755.1		1.833	8773.	4.79	1.74	27.	8800.
POLAND	79 7 21	4391N	12456W	27672.4	43910.1	13690.2	437.	1.333	6380.	4.79	1.78	0.	6380.
POLAND	80 7 27	4331N	12439W	27763.3	43926.1	13448.2	134.	2.083	9967.	4.78	1.65	153.	10120.
POLAND	80 7 26	4405N	12457W	27793.6	43931.6	13134.8	77.	2.750	13122.	4.77	1.80	78.	13200.
USSR	78 7 14	4726N	12451W	28023.6	43910.2	11752.0	71.	2.083	9881.	4.74	1.61	19.	9900.
USSR	78 8 11	4414N	12457W	27803.1	43932.4	13085.4	109.	1.250	5926.	4.74	1.56	14.	5940.
POLAND	80 7 16	4312N	12449W	27707.9	43917.2	13603.7	148.	1.833	8663.	4.73	1.41	138.	8800.
POLAND	79 7 31	4309N	12448W	27703.8	43916.2	13629.5	120.	1.250	5904.	4.72	1.94	36.	5940.
USSR	78 7 14	4727N	12449W	28026.9	43909.4	11743.1	82.	4.667	22000.	4.71	1.72	0.	22000.
USSR	78 7 10	4332N	12422W	27964.1	43928.8	12427.8	82.	2.000	9411.	4.71	1.56	489.	9900.
USSR	79 7 14	4353N	12444W	27792.3	43930.5	13259.7	120.	2.333	10966.	4.70	0.99	34.	11000.
POLAND	79 8 8	4445N	12423W	27907.4	43934.4	12812.4	60.	2.333	10962.	4.70	2.07	38.	11000.
USSR	78 6 26	4352N	12436W	27805.6	43931.3	13268.9	148.	2.333	10954.	4.69	1.43	46.	11000.
USSR	77 7 15	4405N	12433W	27832.2	43933.4	13157.4	44.	1.500	7040.	4.69	1.94	0.	7040.
POLAND	80 7 12	4405N	12457W	27788.8	43931.1	13159.5	115.	2.583	12080.	4.68	1.74	20.	12100.
USSR	79 6 10	4341N	12437W	27785.0	43929.0	13363.1	109.	2.500	11660.	4.68	1.52	0.	11660.
USSR	78 8 7	4358N	12457W	27777.2	43929.8	13217.3	137.	2.933	13188.	4.65	1.65	12.	13200.
USSR	78 6 26	4337N	12458W	27773.9	43929.4	13225.5	93.	1.417	6577.	4.64	1.61	23.	6600.
USSR	79 7 11	4341N	12433W	27792.6	43929.6	13364.1	71.	2.833	13129.	4.63	1.89	71.	13200.
USSR	79 6 26	4320N	12459W	27705.2	43918.0	13531.4	98.	3.333	15400.	4.62	1.70	0.	15400.
USSR	79 7 19	4345N	12436W	27790.0	43929.7	13328.6	153.	3.333	15395.	4.62	1.72	5.	15400.
USSR	79 7 24	4313N	12448W	27711.8	43917.9	13596.0	82.	4.750	21934.	4.62	2.00	66.	22000.
USSR	78 6 11	4343N	12501W	27753.2	43926.8	13299.5	437.	3.333	15382.	4.61	1.17	18.	15400.
POLAND	80 7 7	4703N	12443W	28016.3	43913.9	11854.4	65.	2.333	10757.	4.61	1.83	243.	11000.
USSR	79 7 16	4402N	12438W	27818.2	43932.6	13183.4	49.	3.333	15349.	4.60	1.76	51.	15400.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	78 7 9	4350N	12438W	27798.5	43930.7	13285.8	137.	3.563	16489.	4.60	1.45	11.	16500.
USSR	79 7 18	4353N	12440W	27785.0	43930.0	13259.4	115.	4.833	22204.	4.59	1.85	16.	22220.
USSR	79 7 1	4325N	12449W	27735.1	43922.6	13486.2	87.	1.917	8800.	4.59	1.72	0.	8800.
USSR	77 7 2	4406N	12433W	27633.8	43933.5	13148.9	56.	1.917	8797.	4.59	1.66	3.	8800.
POLAND	79 8 13	4425N	12446W	27835.5	43934.2	12992.3	131.	1.417	6501.	4.59	1.85	99.	6600.
USSR	77 7 4	4313N	12500W	27639.6	43914.6	13588.5	16.	1.917	8787.	4.58	1.52	13.	8800.
USSR	77 7 18	4441N	12434W	27882.6	43934.8	12852.8	115.	1.333	6106.	4.58	1.77	569.	6675.
USSR	78 7 17	4345N	12433W	27799.5	43930.4	13329.6	93.	1.917	8752.	4.57	1.58	48.	8800.
USSR	78 7 3	4435N	12443W	27855.8	43934.8	12924.0	164.	1.917	8743.	4.56	1.50	57.	8800.
USSR	78 7 12	47 18N	12445W	28025.3	43910.7	11779.4	131.	2.167	9672.	4.56	1.61	1128.	11000.
USSR	77 6 21	4331N	12440W	27761.4	43925.9	13447.7	60.	2.417	11000.	4.55	1.58	0.	11000.
USSR	79 6 29	4346N	12436W	27791.7	43929.9	13320.0	98.	2.417	10992.	4.55	1.76	8.	11000.
USSR	79 6 10	4344N	12438W	27788.3	43929.5	13337.2	98.	2.417	10979.	4.54	1.72	21.	11000.
USSR	78 8 14	4440N	12433W	27833.0	43934.8	12860.6	383.	2.417	10973.	4.54	1.69	27.	11000.
USSR	78 7 13	47 27N	12450W	28025.6	43909.7	11745.1	131.	2.917	13200.	4.53	1.65	0.	13200.
USSR	79 7 7	4403N	12429W	27836.6	43933.5	13174.4	5.	1.167	5277.	4.52	1.80	3.	5280.
USSR	79 6 29	4331N	12442W	27757.5	43925.6	13446.9	355.	3.417	15374.	4.50	1.67	26.	15400.
USSR	79 7 6	4346N	12434W	27799.3	43930.5	13320.8	87.	2.250	10121.	4.50	1.23	549.	10670.
USSR	79 7 28	4419N	12450W	27823.0	43933.6	13042.5	87.	1.917	8578.	4.48	2.82	222.	8800.
USSR	79 8 10	47 27N	12450W	28025.6	43909.7	11745.1	191.	2.167	9680.	4.47	1.94	0.	9680.
POLAND	80 7 13	4406N	12458W	27738.6	43931.1	13151.3	93.	3.917	17465.	4.46	1.61	135.	17600.
USSR	79 7 21	4347N	12437W	27795.3	43930.3	13311.7	159.	4.000	17758.	4.44	1.94	62.	17820.
USSR	79 7 8	4415N	12428W	27853.8	43934.4	13088.0	52.	1.000	4400.	4.40	1.72	0.	4400.
USSR	78 7 5	4438N	12500W	27788.4	43931.2	13135.1	104.	1.500	6596.	4.40	1.69	4.	6600.
USSR	79 6 25	4323N	12456W	27712.8	43919.5	13507.1	109.	1.000	4396.	4.40	1.69	4.	4400.
USSR	78 7 17	4340N	12435W	27800.8	43930.7	13303.4	90.	2.000	8791.	4.40	1.47	9.	8800.
POLAND	80 6 29	4412N	12453W	27806.9	43932.5	13101.1	191.	1.500	6591.	4.39	1.63	9.	6600.
USSR	78 7 4	4426N	12447W	27838.7	43934.3	12983.6	131.	1.500	6588.	4.39	1.69	12.	6600.
USSR	79 8 10	4335N	12437W	27774.3	43927.6	13414.5	98.	1.000	4390.	4.39	1.85	10.	4400.
USSR	79 8 13	4354N	12434W	27812.7	43931.9	13251.9	71.	2.250	9870.	4.39	1.94	30.	9900.
USSR	79 8 29	4305N	12450W	27691.9	43913.8	13661.5	93.	2.000	8769.	4.38	1.69	31.	8800.
USSR	78 7 15	4356N	12440W	27804.7	43931.5	13234.5	101.	2.250	9858.	4.38	1.43	42.	9900.
POLAND	79 6 27	4300N	12501W	27661.2	43908.1	13694.5	22.	4.000	17519.	4.38	1.68	81.	17600.
USSR	78 7 15	47 26N	12450W	28024.8	43910.0	11749.9		1.500	6562.	4.37	1.67	38.	6600.
POLAND	78 7 12	4314N	12456W	27698.9	43916.3	13582.7	175.	1.000	4373.	4.37	1.52	27.	4400.
USSR	78 7 19	4330N	12440W	27759.5	43925.7	13456.2	219.	2.000	8743.	4.37	1.32	57.	8800.
USSR	79 7 17	4354N	12439W	27803.3	43931.3	13251.6	109.	2.500	10911.	4.36	0.81	89.	11000.
USSR	77 8 12	4302N	12454W	27678.2	43911.2	13683.5	98.	1.000	4364.	4.36	1.51	36.	4400.
USSR	78 7 18	4351N	12432W	27811.5	43931.6	13278.0	93.	4.000	17396.	4.35	1.47	204.	17600.
POLAND	80 7 14	4352N	12449W	27781.5	43929.6	13267.7	137.	0.250	1086.	4.35	1.61	14.	1100.
USSR	78 8 14	4420N	12448W	27828.0	43933.8	13033.7	71.	1.500	6492.	4.33	1.67	108.	6600.
USSR	78 8 7	4417N	12454W	27812.9	43935.1	13060.1	120.	1.500	6476.	4.32	1.67	122.	6600.
USSR	79 7 18	47 27N	12456W	28017.9	43911.3	11757.1	82.	4.000	17233.	4.31	1.85	367.	17600.
USSR	78 8 8	4406N	12458W	27791.8	43931.4	13134.9	112.	1.500	6452.	4.30	1.62	149.	6600.
USSR	79 6 27	4444N	12435W	27884.9	43934.8	12828.5	131.	2.583	10996.	4.26	1.85	4.	11000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LUNG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	79 721	4413N	12430W	27853.0	43934.4	13071.2	38.	1.000	4251.	4.25	1.80	149.	4400.
USSR	78 718	4352N	12432W	27813.2	43931.8	13269.3	87.	2.583	10979.	4.25	1.56	21.	11000.
POLAND	80 713	4403N	12456W	27707.3	43930.8	13175.9	109.	2.583	10968.	4.25	1.78	32.	11000.
POLAND	79 727	4427N	12445W	27843.7	43934.5	12974.6	79.	2.583	10936.	4.23	1.69	64.	11000.
POLAND	80 724	4727N	12444W	28033.4	43908.1	11732.9	43.	5.000	21123.	4.22	1.98	657.	21780.
USSR	78 8 5	4724N	12446W	28028.5	43909.4	11751.6	52.	2.583	10914.	4.22	1.67	86.	11000.
USSR	78 712	4725N	12448W	28026.7	43909.7	11750.8	137.	2.083	8800.	4.22	1.74	0.	8800.
USSR	79 625	4314N	12508W	27677.4	43913.1	13575.6	115.	2.083	8789.	4.22	1.69	11.	8800.
USSR	78 729	4427N	12446W	27841.9	43934.4	12975.0		1.917	8085.	4.22	1.83	715.	8800.
USSR	77 7 6	4439N	12437W	27874.6	43934.9	12671.2	137.	2.583	10890.	4.22	1.73	110.	11000.
USSR	78 8 8	4427N	12442W	27848.9	43934.6	12973.4	60.	2.500	10466.	4.19	1.72	534.	11000.
USSR	77 815	4316N	12445W	27723.4	43919.8	13572.5	87.	1.583	6600.	4.17	1.50	0.	6600.
USSR	78 8 2	4429N	12445W	27846.6	43934.6	12958.0	96.	1.583	6600.	4.17	1.63	0.	6600.
USSR	79 611	4342N	12436W	27788.6	43929.4	13354.8	93.	1.583	6600.	4.17	1.67	0.	6600.
POLAND	80 716	4438N	12437W	27873.3	43934.9	12879.5	87.	1.563	6584.	4.16	1.85	17.	6600.
USSR	78 721	4406N	12455W	27793.9	43931.5	13151.0	82.	1.500	6212.	4.14	1.77	608.	6820.
USSR	78 721	4416N	12455W	27809.7	43932.9	13068.6	137.	1.167	4827.	4.14	1.78	13.	4840.
USSR	77 7 3	4356N	12431W	27821.6	43932.5	13234.9	98.	2.583	10674.	4.13	1.87	326.	11000.
POLAND	80 727	4330N	12430W	27761.4	43925.8	13456.6	49.	2.667	11017.	4.13	1.72	4383.	15400.
USSR	78 812	4458N	12424W	27922.0	43933.5	12704.3	77.	3.167	13073.	4.13	1.74	127.	13200.
USSR	78 8 7	4427N	12427W	27875.9	43934.9	12967.5	41.	1.333	5500.	4.13	1.72	0.	5500.
USSR	79 630	4335N	12452W	27746.2	43924.8	13409.5	82.	2.667	10996.	4.12	1.80	4.	11000.
POLAND	80 723	4401N	12458W	27750.5	43930.2	13192.5	109.	1.583	6509.	4.11	1.67	91.	6600.
USSR	79 7 8	4341N	12435W	27788.8	43929.3	13363.6	96.	3.917	16084.	4.11	0.64	196.	16280.
USSR	78 716	4727N	12450W	28925.6	43909.7	11745.1		1.583	6496.	4.10	1.65	104.	6600.
USSR	79 611	4346N	12437W	27793.6	43930.1	13320.2	77.	3.500	14298.	4.09	1.69	2.	14300.
USSR	79 726	4556N	12444W	27954.2	43928.2	12279.8	153.	6.083	24794.	4.08	1.76	66.	24860.
USSR	78 712	4710N	12448W	28017.8	43912.9	11822.8	109.	2.083	8491.	4.08	1.56	309.	8800.
USSR	78 718	4403N	12457W	27785.5	43930.7	13176.0	96.	1.000	4070.	4.07	1.67	330.	4400.
USSR	77 716	4542N	12444W	27939.5	43930.3	12381.1	191.	1.167	4744.	4.07	1.70	52.	4796.
USSR	79 629	4300N	12455W	27672.2	43909.9	13699.2	104.	1.083	4400.	4.06	1.74	0.	4400.
USSR	77 7 9	4307N	12451W	27674.1	43914.5	13644.1	109.	1.083	4400.	4.06	1.50	0.	4400.
USSR	78 7 3	4505N	12422W	27933.9	43932.6	12644.7	131.	2.167	8800.	4.06	1.40	0.	8800.
USSR	77 7 6	4556N	12426W	27952.0	43925.2	12252.2	82.	1.083	4400.	4.06	1.91	0.	4400.
USSR	78 724	4410N	12459W	27793.3	43931.6	13118.6	109.	1.917	7697.	4.02	1.61	3.	7700.
USSR	79 712	4508N	12420W	27940.9	43932.0	12618.1	139.	4.667	18681.	4.00	1.89	3319.	22000.
USSR	77 814	4304N	12450W	27689.8	43913.3	13669.9	77.	1.083	4322.	3.99	1.40	78.	4400.
POLAND	78 8 2	4401N	12445W	27803.7	43931.8	13192.1	219.	2.750	10969.	3.99	1.49	31.	11000.
USSR	79 727	4332N	12440W	27763.2	43926.2	13439.1	82.	3.833	15290.	3.99	1.50	110.	15400.
POLAND	80 710	4405N	12456W	27792.1	43931.3	13151.1	115.	2.750	10947.	3.98	1.80	53.	11000.
POLAND	79 730	4301N	12453W	27678.0	43911.0	13692.5	87.	1.833	7298.	3.98	1.72	402.	7700.
USSR	77 8 3	4320N	12444W	27733.1	43921.6	13539.3	164.	1.083	4312.	3.98	1.60	88.	4400.
USSR	79 7 1	4334N	12447W	27753.6	43925.5	13419.7	137.	1.667	6600.	3.96	1.83	0.	6600.
USSR	78 717	4422N	12449W	27829.3	43933.9	13017.4	93.	0.833	3286.	3.94	1.58	14.	3300.
USSR	79 718	4329N	12440W	27757.7	43925.4	13464.7	191.	4.167	16391.	3.93	1.69	109.	16500.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPRX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
POLAND	77 6 9	4300N	12454W	27674.0	43910.2	13700.0	93.	2.333	9143.	3.92	1.50	97.	9240.
POLAND	80 7 23	4701N	12444W	28013.3	43914.7	11867.4	44.	4.750	18585.	3.91	1.89	9113.	27698.
USSR	78 7 1	4440N	12437W	27876.0	43934.9	12862.9	112.	2.250	8800.	3.91	1.59	0.	8800.
USSR	79 7 10	4422N	12450W	27827.5	43933.9	13017.7	123.	2.750	10732.	3.90	1.76	268.	11000.
USSR	78 8 6	4417N	12456W	27809.5	43932.9	13060.6	109.	1.667	6468.	3.88	1.90	132.	6000.
POLAND	77 6 13	4409N	12455W	27798.7	43931.9	13126.2	93.	5.583	21657.	3.88	1.61	343.	22000.
USSR	79 6 29	4336N	12440W	27770.4	43927.3	13405.0	93.	2.833	10982.	3.88	1.76	18.	11000.
POLAND	80 6 26	4451N	12432W	27899.3	43934.4	12768.5	148.	1.333	5156.	3.87	1.74	14.	5170.
USSR	77 6 5	4309N	12449W	27701.9	43915.9	13628.8	77.	1.083	4157.	3.84	1.53	243.	4400.
USSR	78 7 11	4530N	12422W	27962.0	43929.2	12443.5	55.	2.563	9900.	3.83	1.45	0.	9900.
USSR	79 6 22	4345N	12435W	27795.7	43930.2	13329.2	104.	2.250	8616.	3.83	1.50	184.	8800.
POLAND	79 6 30	4301N	12458W	27666.7	43909.5	13688.6	109.	2.000	7630.	3.81	1.61	70.	7700.
POLAND	78 6 29	4404N	12454W	27792.4	43931.2	13167.5	82.	1.967	7468.	3.80	1.59	12.	7480.
USSR	78 6 13	4407N	12508W	27773.0	43930.1	13144.2	109.	2.333	8800.	3.77	1.25	0.	8600.
USSR	79 7 10	4321N	12425W	27947.2	43930.9	12518.2	153.	2.333	8798.	3.77	1.63	2.	8800.
POLAND	80 7 14	4411N	12425W	27856.4	43934.4	13104.7	53.	2.083	7849.	3.77	1.67	3591.	11440.
USSR	78 7 17	4343N	12434W	27802.7	43930.9	13303.6	126.	2.333	8766.	3.76	1.45	34.	8800.
POLAND	80 7 11	4414N	12426W	27859.0	43934.5	13078.9	53.	1.750	6571.	3.75	1.72	29.	6600.
USSR	79 6 27	4308N	12458W	27683.2	43913.0	13631.0	154.	3.583	13419.	3.74	1.65	1.	13420.
POLAND	80 7 7	4705N	12445W	28015.2	43913.9	11847.5	38.	2.333	8725.	3.74	1.88	75.	8800.
USSR	79 7 29	4309N	12447W	27705.7	43916.4	13630.2	82.	2.333	8701.	3.73	2.07	99.	8800.
USSR	79 7 20	4354N	12439W	27803.3	43931.3	13251.6	126.	2.417	9000.	3.72	1.80	20.	9020.
USSR	79 7 17	4353N	12435W	27803.5	43931.3	13260.2	137.	1.417	5274.	3.72	0.62	6.	5280.
POLAND	78 7 31	4435N	12429W	27884.8	43934.9	12892.0	49.	1.667	6174.	3.70	1.72	426.	6600.
POLAND	80 6 15	4404N	12453W	27794.2	43931.4	13167.4	104.	3.667	13503.	3.68	1.89	1897.	15400.
USSR	77 7 7	4328N	12446W	27740.7	43923.4	13469.9	60.	3.000	11000.	3.67	1.43	0.	11000.
USSR	77 6 16	4422N	12446W	27834.5	43934.1	13016.5	142.	1.200	4400.	3.67	1.68	0.	4400.
USSR	77 7 16	4339N	12435W	27785.3	43928.9	13380.8	82.	2.417	8798.	3.64	1.85	2.	8800.
POLAND	77 7 3	4302N	12454W	27678.2	43911.2	13683.5	16.	4.167	15162.	3.64	1.34	238.	15400.
POLAND	77 7 2	4313N	12513W	27686.6	43911.3	13580.7	82.	2.417	8793.	3.64	1.50	7.	8800.
USSR	78 7 27	4407N	12458W	27790.2	43931.3	13143.1	120.	1.500	5451.	3.63	1.65	49.	5500.
POLAND	79 7 24	4303N	12446W	27705.6	43916.3	13639.3	257.	4.250	15393.	3.62	1.80	7.	15400.
USSR	79 7 16	4401N	12436W	27820.3	43932.7	13191.9	49.	2.417	8749.	3.62	1.69	51.	8800.
POLAND	80 7 11	4409N	12457W	27795.2	43931.7	13125.5	104.	2.417	8724.	3.61	1.77	76.	8800.
USSR	78 6 7	4502N	12424W	27926.9	43933.1	12671.2	128.	1.533	6600.	3.60	1.67	0.	6600.
USSR	79 7 30	4342N	12434W	27792.4	43929.7	13355.2	82.	3.500	12574.	3.59	1.74	186.	12760.
USSR	79 7 1	4338N	12449W	27759.0	43926.4	13385.6	126.	1.833	6586.	3.59	1.78	14.	6600.
USSR	79 7 18	4350N	12437W	27800.4	43930.9	13285.0	191.	1.833	6584.	3.59	1.65	16.	6600.
USSR	78 6 9	4419N	12453W	27817.7	43933.4	13043.4	32.	0.917	3289.	3.59	1.07	11.	3300.
USSR	79 7 16	4343N	12436W	27790.3	43929.6	13346.2	109.	1.833	6569.	3.58	1.85	31.	6600.
USSR	79 7 30	4525N	12425W	27951.6	43930.4	12486.5	134.	1.833	6554.	3.57	1.78	46.	6600.
USSR	77 6 25	4412N	12450W	27812.2	43932.8	13100.6	52.	3.083	11000.	3.57	1.80	0.	11000.
USSR	77 6 21	4338N	12436W	27781.6	43928.5	13389.1	96.	1.833	6537.	3.57	1.63	63.	6600.
USSR	77 6 18	4502N	12423W	27928.6	43933.0	12670.3	82.	1.833	6533.	3.56	1.65	67.	6600.
POLAND	77 7 3	4317N	12453W	27710.4	43918.3	13559.5	98.	5.000	17600.	3.52	1.52	0.	17600.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE		APPROX LORAN-C		PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
	YYMMDD	LAT	LONG	9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED						
USSR	77 7 8	4313N	12450W	27708.1	43917.4	13594.7	82.	1.250	4400.	3.52	1.47	0.	4400.	
USSR	77 629	4323N	12446W	27735.0	43922.2	13512.9	93.	1.250	4400.	3.52	1.63	0.	4400.	
USSR	79 715	4406N	12437W	27829.5	43933.4	13132.2	38.	2.500	8780.	3.51	1.78	20.	8800.	
USSR	78 8 6	4422N	12451W	27825.8	43933.8	13018.1	98.	1.833	6382.	3.48	2.52	2418.	8800.	
POLAND	77 812	4332N	12433W	27767.0	43926.6	13439.9	98.	5.000	17396.	3.48	1.63	204.	17600.	
USSR	79 717	4355N	12449W	27736.6	43930.2	13242.5	87.	3.167	10993.	3.47	1.50	7.	11000.	
POLAND	80 7 8	4706N	12441W	28021.4	43912.7	11834.1	55.	3.167	10907.	3.44	1.84	93.	11000.	
USSR	79 7 9	4406N	12428W	27846.2	43934.0	13131.1	44.	1.917	6600.	3.44	1.98	0.	6600.	
USSR	78 710	4316N	12447W	27719.6	43919.3	13571.4		1.917	6598.	3.44	1.34	2.	6600.	
USSR	79 7 1	4336N	12447W	27760.8	43926.6	13365.9	153.	1.917	6596.	3.44	1.80	4.	6600.	
USSR	77 620	4334N	12437W	27782.6	43927.3	13423.1	93.	1.917	6590.	3.44	1.54	10.	6600.	
USSR	77 7 6	4304N	12452W	27636.1	43912.8	13663.4	55.	1.917	6581.	3.43	1.45	19.	6600.	
POLAND	77 8 4	4301N	12459W	27656.9	43909.2	13687.9	82.	4.500	15400.	3.42	1.68	0.	15400.	
POLAND	78 719	4425N	12424W	27878.7	43934.9	12983.5	46.	3.217	10985.	3.42	1.58	15.	11000.	
USSR	79 629	4349N	12436W	27800.6	43930.8	13294.7	66.	3.250	10993.	3.38	2.05	2.	11000.	
USSR	79 717	4321N	12458W	27709.0	43918.7	13523.6	120.	3.250	10995.	3.38	1.87	5.	11000.	
USSR	78 6 9	4444N	12437W	27831.4	43934.8	12829.7	148.	3.250	10954.	3.37	1.50	46.	11000.	
POLAND	80 724	4445N	12433W	27899.7	43934.7	12818.9	77.	2.583	8692.	3.36	1.87	108.	8800.	
USSR	77 712	4557N	12423W	27987.7	43924.4	12240.2	82.	0.500	1677.	3.35	2.03	523.	2200.	
USSR	79 730	4554N	12429W	27975.4	43926.1	12271.4	82.	4.000	13312.	3.33	1.69	108.	13420.	
USSR	78 813	4413N	12456W	27803.3	43932.4	13093.4	87.	2.583	8591.	3.33	1.58	209.	8800.	
USSR	79 718	4354N	12450W	27783.1	43929.9	13250.8	153.	4.167	13850.	3.32	1.56	10.	13860.	
USSR	79 715	4534N	12430W	27953.2	43929.7	12422.7	150.	2.500	8307.	3.32	1.80	53.	8360.	
USSR	79 718	4536N	12432W	27952.1	43929.6	12410.0	125.	2.250	7445.	3.31	1.87	35.	7480.	
USSR	77 728	4416N	12504W	27794.2	43932.0	13070.6	104.	2.000	6600.	3.30	1.52	0.	6600.	
USSR	79 8 1	4418N	12507W	27792.3	43932.0	13055.2	126.	0.667	2200.	3.30	1.83	0.	2200.	
USSR	77 6 7	4352N	12458W	27765.4	43928.3	13266.9	123.	2.000	6594.	3.30	1.54	6.	6600.	
USSR	79 611	4558N	12425W	27985.5	43924.6	12236.1	55.	1.750	5766.	3.29	1.54	834.	6600.	
USSR	78 723	4409N	12455W	27798.7	43931.9	13126.2	79.	2.000	6583.	3.29	1.72	12.	6600.	
POLAND	78 7 6	4321N	12443W	27736.9	43922.1	13531.4	206.	1.333	4377.	3.28	1.52	23.	4400.	
POLAND	80 714	4405N	12459W	27785.3	43930.8	13159.6	98.	4.000	13105.	3.28	1.56	95.	13200.	
USSR	78 811	4400N	12457W	27780.6	43930.2	13200.8	87.	2.000	6534.	3.27	1.69	66.	6600.	
USSR	78 718	4423N	12447W	27834.3	43934.1	13008.5	85.	2.000	6517.	3.26	1.52	83.	6600.	
USSR	77 8 1	4308N	12452W	27694.3	43914.7	13535.1	87.	2.000	6508.	3.25	1.56	92.	6600.	
USSR	78 720	4727N	12452W	28023.0	43910.2	11749.1		1.333	4334.	3.25	1.67	66.	4400.	
POLAND	77 822	4309N	12508W	27667.3	43910.7	13616.2	109.	2.167	7040.	3.25	1.45	0.	7040.	
POLAND	80 627	4455N	12429W	27909.6	43934.0	12733.2	142.	2.833	9196.	3.25	1.69	13.	9209.	
POLAND	80 629	4505N	12431W	27919.7	43933.3	12644.9	137.	2.667	8653.	3.25	1.76	147.	8800.	
USSR	78 8 4	4355N	12452W	27781.1	43929.8	13242.4	55.	2.833	9185.	3.24	1.56	55.	9240.	
USSR	78 811	4447N	12433W	27392.3	43934.6	12802.3	44.	1.417	4570.	3.23	1.73	26230.	30800.	
USSR	79 8 2	4310N	12449W	27703.9	43916.4	13620.5	98.	1.000	3205.	3.20	1.52	95.	3300.	
USSR	77 711	4451N	12424W	27913.3	43934.0	12762.6	87.	1.333	4273.	3.20	2.20	127.	4400.	
POLAND	80 730	4336N	12434W	27781.9	43928.3	13406.9	98.	4.167	13339.	3.20	1.65	31.	13420.	
USSR	79 722	4351N	12452W	27774.4	43929.0	13275.8	159.	4.333	13856.	3.20	1.91	4.	13860.	
USSR	78 8 8	4415N	12456W	27806.4	43932.7	13077.0	71.	2.750	8787.	3.20	1.50	13.	8800.	

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING					BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH		
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
POLAND	80 711	4356N	12500W	27768.6	43928.9	13233.7	126.	3.063	9644.	3.19	1.74	56.	9900.
USSR	78 719	4355N	12433W	27816.2	43932.1	13243.4	60.	2.750	8774.	3.19	1.72	26.	8800.
USSR	78 811	4440N	12430W	27868.4	43934.8	12858.8	87.	1.667	5297.	3.18	1.67	3503.	8800.
USSR	77 615	4534N	12426W	27959.7	43929.1	12417.5	101.	2.750	8730.	3.17	1.54	70.	8800.
USSR	78 727	4423N	12447W	27834.3	43934.1	13008.5		2.000	6346.	3.17	1.69	254.	6600.
USSR	78 629	4354N	12454W	27775.9	43929.3	13250.6	82.	2.083	6598.	3.17	1.41	2.	6600.
USSR	79 612	4405N	12430W	27837.8	43933.6	13157.2	55.	0.833	2625.	3.15	1.87	15.	2640.
USSR	79 710	4524N	12425W	27950.5	43930.5	12494.4	186.	3.500	10977.	3.14	1.63	23.	11000.
USSR	79 731	4557N	12442W	27958.3	43927.7	12269.7	137.	2.167	6790.	3.13	1.74	30.	6820.
USSR	79 6 7	4352N	12436W	27805.6	43931.3	13269.9	87.	2.250	6998.	3.11	1.56	42.	7040.
USSR	78 627	4353N	12454W	27774.2	43929.1	13258.9	104.	1.417	4398.	3.10	1.52	2.	4400.
POLAND	77 812	4407N	12458W	27790.2	43931.3	13143.1	44.	5.667	17576.	3.10	1.54	24.	17600.
USSR	79 630	4332N	12444W	27755.6	43925.5	13437.6	104.	1.417	4389.	3.10	1.78	11.	4400.
USSR	78 613	4557N	12442W	27958.3	43927.7	12269.7	98.	1.417	4385.	3.10	1.43	15.	4400.
USSR	78 7 7	4401N	12436W	27820.3	43932.7	13191.9	93.	2.833	8730.	3.08	1.63	70.	8800.
POLAND	80 729	4359N	12456W	27777.2	43929.6	13209.0	98.	1.583	4857.	3.07	1.74	204.	5060.
USSR	78 811	4417N	12456W	27909.5	43932.9	13060.6	82.	3.583	10985.	3.07	1.61	15.	11000.
USSR	79 7 5	4342N	12433W	27794.4	43929.8	13355.5	82.	1.500	4591.	3.06	1.56	29.	4620.
USSR	79 6 8	4351N	12436W	27803.9	43931.2	13277.5	109.	3.583	10965.	3.06	1.85	35.	11000.
POLAND	79 812	4355N	12436W	27810.5	43931.8	13243.2	47.	5.583	17076.	3.06	2.02	524.	17600.
POLAND	79 714	4302N	12453W	27680.1	43911.5	13634.2	301.	0.717	2184.	3.05	1.80	16.	2200.
USSR	79 716	4410N	12430W	27845.5	43934.1	13114.1	41.	2.167	6600.	3.05	1.72	0.	6600.
USSR	78 710	4309N	12448W	27703.8	43916.2	13629.5		1.417	4314.	3.05	1.46	86.	4400.
USSR	77 618	4517N	12421W	27949.4	43931.0	12545.8	142.	2.167	6589.	3.04	1.58	11.	6600.
USSR	79 623	4337N	12448W	27757.2	43926.2	13394.1	104.	2.167	6571.	3.03	1.69	29.	6600.
USSR	79 6 8	4717N	12446W	28023.2	43911.2	11786.5	71.	4.250	12854.	3.02	1.85	347.	13200.
USSR	79 718	4355N	12454W	27777.6	43929.6	13242.3	120.	2.333	7035.	3.02	1.20	5.	7040.
USSR	78 715	4723N	12447W	25026.5	43909.9	11758.5		1.417	4270.	3.01	1.67	130.	4400.
POLAND	80 718	4314N	12450W	27710.0	43917.8	13586.4	186.	2.167	6506.	3.00	1.41	94.	6600.
USSR	77 626	4322N	12451W	27723.8	43920.7	13518.8	219.	3.667	11000.	3.00	1.45	0.	11000.
USSR	79 611	4546N	12423W	27976.9	43926.5	12321.8	55.	2.167	6500.	3.00	1.61	2300.	8800.
USSR	77 7 6	4321N	12447W	27729.3	43921.2	13529.3	55.	2.917	8746.	3.00	1.47	54.	8800.
USSR	77 7 6	4335N	12438W	27772.4	43927.4	13414.2	173.	3.333	9892.	2.97	1.67	1108.	11000.
USSR	77 614	4430N	12443W	27851.5	43934.7	12948.9	37.	3.667	10775.	2.94	1.68	423.	11198.
USSR	78 725	4412N	12459W	27796.5	43932.0	13102.2	109.	1.500	4400.	2.93	1.81	0.	4400.
USSR	79 7 3	4350N	12434W	27806.0	43931.2	13286.3	104.	1.500	4400.	2.93	1.74	0.	4400.
USSR	79 7 2	4354N	12435W	27810.8	43931.8	13251.9	38.	3.000	8800.	2.93	1.67	0.	8800.
USSR	79 611	4349N	12436W	27800.6	43930.8	13294.7	82.	1.500	4400.	2.93	1.55	0.	4400.
USSR	79 717	4401N	12439W	27814.7	43932.4	13192.0	79.	3.667	10755.	2.93	1.54	25.	10780.
USSR	79 716	4409N	12433W	27838.4	43933.8	13123.2	49.	3.750	10976.	2.93	1.74	24.	11000.
POLAND	78 7 6	4319N	12443W	27733.1	43921.4	13549.3	202.	0.750	2191.	2.92	1.54	9.	2200.
POLAND	80 714	4352N	12448W	27783.3	43929.8	13267.8	87.	2.333	6809.	2.92	1.47	121.	6930.
USSR	77 617	4454N	12425W	27915.3	43933.9	12738.3	107.	0.833	2429.	2.91	1.61	35.	2464.
USSR	79 628	4336N	12437W	27776.1	43927.8	13406.0	104.	2.250	6549.	2.91	1.83	51.	6600.
POLAND	80 712	4432N	12439W	27861.4	43934.8	12930.5	115.	1.500	4362.	2.91	1.74	38.	4400.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
POLAND	78 7 9	4343N	12433W	27779.6	43930.0	13346.8	109.	0.750	2174.	2.90	1.50	26.	2200.
POLAND	77 625	4306N	12453W	27688.3	43913.5	13651.0	87.	2.333	6600.	2.83	1.51	0.	6600.
USSR	77 613	4430N	12443W	27851.5	43934.7	12948.9	98.	3.167	8945.	2.82	1.72	97.	9042.
POLAND	80 626	4451N	12432W	27899.3	43934.4	12768.5	148.	2.667	7435.	2.79	1.65	155.	7590.
USSR	78 723	4316N	12442W	27717.7	43919.1	13570.8	82.	1.583	4400.	2.78	1.58	0.	4400.
POLAND	79 629	4306N	12501W	27673.6	43911.2	13645.4	101.	4.750	13189.	2.78	1.63	11.	13200.
USSR	78 721	4351N	12431W	27813.4	43931.7	13278.1	85.	2.000	5524.	2.76	1.61	1076.	6600.
POLAND	78 718	4354N	12431W	27818.4	43932.2	13252.1	90.	1.250	3452.	2.76	1.50	3148.	6600.
USSR	79 717	4326N	12442W	27748.3	43924.0	13489.4	109.	4.750	13069.	2.75	1.56	131.	13200.
POLAND	79 628	4337N	12437W	27777.9	43928.1	13397.4	115.	3.917	10758.	2.75	1.74	22.	10780.
USSR	79 611	4454N	12428W	27910.1	43934.0	12740.7	87.	4.000	10939.	2.73	1.69	61.	11000.
USSR	78 7 5	4410N	12500W	27791.6	43931.5	13118.7	109.	2.417	6600.	2.73	1.45	0.	6600.
USSR	78 724	4710N	12459W	28000.5	43916.1	11848.4		2.417	6558.	2.71	1.91	42.	6600.
USSR	78 717	4347N	12434W	27801.0	43930.7	13312.2	82.	3.250	8800.	2.71	1.52	0.	8800.
USSR	79 629	4324N	12450W	27729.4	43921.6	13502.6	77.	3.250	8786.	2.70	1.78	14.	8800.
USSR	79 719	4351N	12445W	27787.1	43930.0	13276.5	148.	4.167	11220.	2.69	1.91	0.	11220.
USSR	78 6 7	4452N	12433W	27898.8	43934.4	12761.0	109.	3.000	7920.	2.64	1.50	0.	7920.
POLAND	79 724	4313N	12445W	27717.5	43918.6	13597.9	169.	3.417	9007.	2.64	1.80	13.	9020.
POLAND	80 716	4432N	12439W	27861.4	43934.8	12930.5	120.	4.000	10531.	2.63	1.80	3549.	14080.
POLAND	80 7 9	4450N	12431W	27899.7	43934.4	12776.0	142.	1.750	4587.	2.62	1.80	33.	4620.
USSR	79 713	4533N	12430W	27952.1	43929.8	12430.4	210.	1.667	4367.	2.62	1.78	33.	4400.
USSR	78 718	4359N	12433W	27822.7	43932.7	13209.0	55.	1.583	4143.	2.62	1.54	257.	4400.
USSR	79 730	4419N	12450W	27823.0	43933.6	13042.5	96.	3.333	8683.	2.61	1.76	117.	8800.
USSR	78 612	4454N	12431W	27904.8	43934.2	12743.0	150.	5.500	14300.	2.60	1.61	0.	14300.
USSR	79 713	4349N	12433W	27806.3	43931.2	13295.1	87.	2.083	5394.	2.59	1.76	106.	5500.
USSR	78 8 7	4404N	12454W	27792.4	43931.2	13167.5	98.	1.500	3856.	2.57	1.58	542.	4400.
USSR	78 726	4420N	12449W	27826.3	43933.7	13034.0	109.	3.000	7684.	2.56	1.61	17.	7700.
USSR	77 621	4323N	12444W	27738.8	43922.6	13513.9	87.	2.583	6600.	2.55	1.52	0.	6600.
USSR	78 613	4537N	12431W	27954.8	43929.3	12401.1	98.	3.417	8721.	2.55	1.39	79.	8800.
POLAND	80 725	4727N	12449W	28026.9	43909.4	11743.1	71.	2.583	6592.	2.55	1.72	8.	6600.
POLAND	80 720	4333N	12437W	27770.7	43927.0	13431.7	120.	1.750	4394.	2.51	1.62	6.	4400.
USSR	78 8 9	4433N	12431W	27677.1	43934.9	12918.3	60.	3.500	8787.	2.51	1.69	13.	8800.
USSR	79 729	4440N	12438W	27877.2	43934.9	12862.3	126.	3.500	8728.	2.49	1.65	72.	8800.
USSR	77 7 3	4400N	12430W	27830.0	43933.1	13200.3	55.	0.833	2077.	2.49	1.78	123.	2200.
USSR	79 813	4354N	12432W	27816.5	43932.1	13252.1	71.	2.500	6216.	2.49	1.63	12924.	19140.
USSR	79 729	4420N	12446W	27831.5	43933.9	13033.1	66.	0.917	2260.	2.47	1.67	380.	2640.
USSR	79 7 2	4338N	12441W	27772.1	43927.7	13387.6	98.	4.500	10990.	2.44	1.73	10.	11000.
USSR	78 611	4410N	12452W	27818.0	43933.3	13051.3	109.	0.500	1215.	2.43	1.67	17.	1232.
POLAND	79 8 7	4544N	12427W	27968.5	43927.6	12342.6	87.	0.833	2004.	2.41	1.85	196.	2200.
USSR	79 719	4726N	12450W	28024.8	43910.0	11749.9	82.	2.250	5403.	2.40	1.98	97.	5500.
USSR	78 7 8	4352N	12442W	27794.4	43930.6	13268.4	98.	1.833	4400.	2.40	1.74	0.	4400.
USSR	78 710	4300N	12502W	27659.4	43907.8	13693.7	137.	2.750	6593.	2.40	1.36	7.	6600.
POLAND	79 724	4313N	12444W	27719.4	43918.9	13598.5	109.	2.750	6592.	2.40	1.87	8.	6600.
POLAND	80 727	4339N	12437W	27781.4	43926.6	13380.2	98.	2.750	6587.	2.40	1.65	13.	6600.
USSR	79 716	4406N	12436W	27824.5	43933.1	13149.4	44.	1.833	4389.	2.39	2.75	11.	4400.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE		LONG	APPROX LORAN-C PULSE RATES			DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)	
	YYMMDD	LAT		9X	9Y	9Z								
USSR	77	718	4403N	12458W	27791.8	43931.4	13154.9	164.	1.833	4384.	2.39	1.87	16.	4400.
USSR	78	613	4553N	12443W	27952.7	43928.5	12299.7	109.	1.833	4382.	2.39	1.43	18.	4400.
POLAND	80	77	4715N	12446W	28021.7	43911.7	11795.8	66.	6.250	14931.	2.39	1.83	1569.	16500.
POLAND	80	630	4316N	12444W	27725.3	43920.1	13573.1	131.	1.833	4373.	2.39	1.52	27.	4400.
USSR	78	723	4330N	12433W	27773.1	43927.0	13459.0	60.	2.750	6554.	2.38	1.65	46.	6600.
USSR	79	625	4336N	12458W	27737.1	43924.0	13399.4	120.	2.563	6147.	2.38	1.61	13.	6160.
USSR	78	714	4724N	12451W	28022.0	43910.7	11761.7	115.	1.667	3960.	2.38	1.63	440.	4400.
USSR	77	628	4447N	12444W	27873.3	43934.9	12809.6	191.	1.833	4340.	2.37	1.58	60.	4400.
USSR	79	730	4559N	12427W	27983.4	43924.8	12232.0	85.	5.563	13099.	2.35	2.00	101.	13200.
USSR	79	812	4350N	12432W	27809.9	43931.5	13286.6	55.	3.750	8726.	2.33	1.94	74.	8600.
POLAND	79	626	4301N	12501W	27663.3	43908.6	13686.3	66.	4.917	11430.	2.32	1.67	10.	11440.
USSR	79	622	4351N	12437W	27802.0	43931.0	13277.4	30.	2.833	6586.	2.32	1.74	14.	6600.
USSR	79	714	4356N	12452W	27782.8	43930.0	13234.0	142.	2.833	6570.	2.32	0.57	30.	6600.
USSR	79	710	4520N	12421W	27952.8	43930.6	12521.6	104.	2.833	6567.	2.32	1.61	33.	6600.
USSR	79	810	4334N	12438W	27770.5	43927.1	13422.8	120.	1.333	3080.	2.31	1.77	0.	3080.
USSR	78	716	4427N	12434W	27863.2	43934.8	12970.3	33.	3.833	8797.	2.29	1.58	3.	8800.
USSR	77	77	4323N	12449W	27729.4	43921.5	13511.4	77.	1.917	4397.	2.29	1.56	3.	4400.
POLAND	79	723	4303N	12452W	27684.0	43912.3	13676.7	98.	1.917	4394.	2.29	1.89	6.	4400.
USSR	78	717	4718N	12451W	28017.4	43912.2	11791.5	112.	1.917	4339.	2.26	1.72	61.	4400.
USSR	77	79	4351N	12436W	27803.9	43931.2	13277.5	186.	2.750	6210.	2.26	1.68	390.	6600.
POLAND	79	727	4305N	12450W	27691.9	43913.8	13661.5	82.	2.417	5448.	2.25	1.80	52.	5500.
USSR	77	78	4338N	12438W	27777.8	43928.2	13388.5	180.	2.750	6186.	2.25	1.63	414.	6600.
USSR	79	716	4352N	12441W	27796.2	43930.7	13268.5	153.	3.917	8700.	2.22	1.80	100.	8600.
USSR	78	610	4356N	12443W	27779.2	43931.2	13234.4	112.	1.500	3300.	2.20	1.34	0.	3300.
POLAND	77	76	4301N	12452W	27679.9	43911.3	13693.3	44.	1.000	2200.	2.20	1.18	0.	2200.
USSR	77	623	4300N	12454W	27674.0	43910.2	13700.0	55.	1.000	2200.	2.20	1.36	0.	2200.
POLAND	78	627	4316N	12444W	27725.3	43920.1	13573.1	137.	1.000	2196.	2.20	1.39	4.	2200.
POLAND	78	76	4337N	12436W	27779.8	43929.2	13397.7	148.	1.000	2195.	2.19	1.43	5.	2200.
POLAND	77	812	4354N	12457W	27770.5	43928.9	13250.4	46.	5.000	10965.	2.19	1.60	35.	11000.
USSR	77	78	4455N	12426W	27911.3	43934.0	12732.4	148.	4.000	3772.	2.19	1.73	28.	8800.
POLAND	80	718	4317N	12451W	27714.1	43918.8	13560.7	159.	2.000	4384.	2.19	1.54	16.	4400.
USSR	77	710	4412N	12457W	27779.9	43932.2	13101.9	175.	2.000	4382.	2.19	1.76	18.	4400.
POLAND	79	726	4301N	12452W	27679.9	43911.3	13693.3	82.	2.600	5673.	2.18	1.72	47.	5720.
POLAND	79	815	4529N	12422W	27960.9	43929.3	12451.3	85.	2.250	4903.	2.18	2.02	21717.	26620.
USSR	78	710	4545N	12434W	27958.4	43928.5	12345.1	66.	2.000	4352.	2.18	1.54	48.	4400.
USSR	79	722	4559N	12426W	27984.9	43924.6	12230.4	82.	1.417	3077.	2.17	1.82	3.	3080.
USSR	77	72	4459N	12424W	27923.2	43933.4	12696.0	104.	1.000	2166.	2.17	1.61	34.	2200.
USSR	78	79	4422N	12443W	27851.0	43934.0	13017.1	109.	1.017	2193.	2.16	1.64	7.	2200.
POLAND	79	729	4438N	12435W	27876.8	43934.9	12878.4	109.	4.000	8603.	2.15	1.85	197.	8800.
POLAND	80	624	4334N	12436W	27774.5	43927.5	13423.5	104.	5.083	10926.	2.15	1.54	74.	11000.
USSR	79	627	4351N	12433W	27809.6	43931.5	13277.8	49.	4.083	8774.	2.15	1.74	26.	8800.
USSR	78	729	4401N	12431W	27829.6	43933.1	13191.7	71.	2.000	4274.	2.14	1.74	126.	4400.
POLAND	80	722	4303N	12452W	27684.0	43912.3	13676.7	148.	4.750	10105.	2.13	1.08	3095.	13200.
USSR	79	68	4352N	12435W	27807.5	43931.4	13269.0	82.	2.083	4400.	2.11	1.57	0.	4400.
USSR	79	73	4352N	12437W	27803.7	43931.2	13268.8	101.	4.167	8800.	2.11	1.69	0.	8800.

55

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE		APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)	
	YTMOD	LAT	LONG	9X	9Y	9Z	DEPTH (FMS)						HOURS TRAWLED
POLAND	77 8 5	4306N	12454W	27686.5	43913.2	13650.3	22.	4.167	8790.	2.11	1.62	10.	8800.
USSR	79 626	4341N	12453W	27755.2	43926.4	13359.1	77.	2.083	4395.	2.11	1.69	5.	4400.
USSR	79 710	4341N	12432W	27794.6	43929.8	13364.4	98.	2.583	5430.	2.10	2.02	70.	5500.
USSR	79 730	4338N	12434W	27785.5	43928.8	13389.7	93.	2.833	5910.	2.09	1.83	30.	5940.
USSR	79 626	4321N	12500W	27705.4	43918.2	13522.6	115.	1.583	3295.	2.08	1.78	6.	3300.
USSR	79 716	4357N	12440W	27806.4	43931.7	13228.0	87.	3.167	6577.	2.08	1.83	23.	6600.
POLAND	77 7 4	4300N	12457W	27668.5	43909.3	13697.6	27.	2.333	4840.	2.07	1.43	0.	4840.
POLAND	77 615	4307N	12452W	27692.2	43914.2	13643.4	55.	2.333	4840.	2.07	1.69	1760.	6600.
POLAND	78 628	4320N	12443W	27735.0	43921.8	13539.8	115.	1.067	2197.	2.06	1.41	3.	2200.
USSR	77 7 2	4455N	12427W	27913.1	43933.9	12731.6	129.	3.167	6511.	2.06	1.55	89.	6600.
USSR	78 812	4410N	12457W	27796.8	43931.9	13118.3	56.	1.583	3245.	2.05	1.72	55.	3300.
POLAND	80 731	4335N	12450W	27749.9	43925.2	13410.2	79.	4.250	8657.	2.04	1.65	143.	8800.
POLAND	77 625	4313N	12449W	27709.9	43917.6	13595.3	33.	2.167	4400.	2.03	1.55	0.	4400.
POLAND	77 625	4314N	12452W	27706.3	43917.3	13585.1	87.	4.333	8800.	2.03	1.58	0.	8800.
USSR	78 623	4501N	12424W	27925.7	43933.2	12679.5		1.000	2021.	2.02	1.50	179.	2200.
USSR	77 626	4409N	12429W	27845.9	43934.1	13122.6	44.	2.167	4346.	2.01	1.83	54.	4400.
POLAND	78 7 9	4348N	12434W	27802.7	43930.9	13303.6	109.	1.083	2171.	2.00	1.50	29.	2200.
POLAND	79 812	4349N	12437W	27798.7	43930.7	13294.5	82.	4.167	9343.	2.00	1.96	457.	8800.
POLAND	79 726	4309N	12448W	27703.8	43910.2	13629.5	87.	3.083	6121.	1.99	1.75	479.	6600.
POLAND	80 629	4516N	12421W	27948.3	43931.1	12553.9	159.	2.750	5414.	1.97	1.65	86.	5500.
POLAND	79 630	4306N	12501W	27673.6	43911.2	13645.4	120.	4.417	8693.	1.97	1.64	107.	8800.
USSR	78 7 1	4442N	12439W	27877.0	43934.9	12846.9	137.	2.667	5238.	1.96	1.65	262.	5500.
USSR	77 6 7	4317N	12456W	27704.8	43917.5	13557.8	71.	2.250	4383.	1.95	1.62	17.	4400.
USSR	79 611	4453N	12429W	27907.1	43934.2	12749.7	87.	2.250	4368.	1.94	1.76	32.	4400.
USSR	77 625	4412N	12430W	27848.5	43934.2	13096.9	41.	2.250	4365.	1.94	2.09	35.	4400.
POLAND	80 731	4402N	12456W	27785.6	43930.7	13184.2	120.	2.250	4358.	1.94	1.58	42.	4400.
POLAND	79 813	4407N	12433W	27835.3	43933.6	13140.3	60.	1.083	2097.	1.94	1.98	103.	2200.
USSR	78 614	4554N	12442W	27955.2	43928.2	12291.1	93.	2.167	4190.	1.93	1.39	210.	4400.
POLAND	78 8 1	4356N	12457W	27777.2	43929.8	13217.3	137.	2.250	4344.	1.93	1.49	56.	4400.
POLAND	80 719	4314N	12445W	27719.5	43919.0	13589.4	159.	3.000	5735.	1.91	1.36	315.	6050.
USSR	77 630	4321N	12445W	27733.1	43921.7	13530.3	60.	4.667	8600.	1.89	1.65	0.	8800.
USSR	77 618	4502N	12424W	27926.9	43933.1	12671.2	131.	1.167	2180.	1.87	1.61	20.	2200.
USSR	79 6 6	4356N	12427W	27829.3	43932.9	13235.0	38.	1.167	2170.	1.86	1.54	30.	2200.
USSR	78 715	4357N	12440W	27806.4	43931.7	13225.0	104.	1.083	2004.	1.85	1.43	196.	2200.
USSR	79 7 9	4407N	12430W	27940.9	43933.8	13140.0	60.	4.733	8728.	1.84	1.89	72.	8800.
USSR	78 730	4354N	12454W	27775.9	43929.3	13250.6		2.417	4400.	1.82	1.56	0.	4400.
POLAND	80 629	4500N	12423W	27926.2	43933.2	12685.9	126.	3.000	5459.	1.82	1.72	41.	5500.
USSR	78 712	4426N	12448W	27840.4	43934.4	12983.3	71.	1.083	1969.	1.82	1.43	11.	1980.
USSR	77 613	4501N	12423W	27927.4	43933.1	12678.6	142.	2.417	4346.	1.80	1.56	54.	4400.
USSR	79 730	4522N	12424W	27950.0	43930.7	12509.1	137.	4.833	8689.	1.80	1.76	111.	8800.
USSR	77 8 7	4315N	12449W	27713.9	43918.5	13578.6	164.	1.833	3287.	1.79	1.65	13.	3300.
POLAND	77 8 6	4315N	12452W	27708.3	43917.7	13576.8	98.	4.917	8689.	1.77	1.71	111.	8800.
USSR	78 616	4425N	12444W	27842.5	43934.4	12990.8		1.250	2200.	1.76	1.42	0.	2200.
USSR	78 7 5	4354N	12455W	27774.1	43929.2	13250.5	104.	2.500	4400.	1.76	1.45	0.	4400.
USSR	78 721	4405N	12455W	27792.3	43931.3	13159.3	82.	2.500	4396.	1.76	1.61	4.	4400.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE		LONG	APPROX LORAN-C PULSE RATES			DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)	
	YYMMDD	LAT		9X	9Y	9Z								
USSR	78	718	4356N	12439W	27806.6	43931.6	13234.5	66.	1.250	2181.	1.74	1.74	19.	2200.
USSR	79	718	4355N	12452W	27781.1	43929.8	13242.4	115.	3.083	5372.	1.74	1.52	128.	5500.
USSR	78	726	4405N	12457W	27789.8	43931.1	13159.5	66.	2.500	4355.	1.74	1.74	45.	4400.
USSR	79	67	4400N	12430W	27830.0	43933.1	13200.3	44.	4.000	6954.	1.74	1.61	86.	7040.
USSR	78	716	4415N	12446W	27820.4	43933.3	13075.2	115.	3.833	6593.	1.72	1.53	7.	6600.
USSR	78	711	4330N	12422W	27952.0	43929.2	12443.5	93.	1.250	2140.	1.71	1.67	61.	2200.
USSR	79	626	4314N	12503W	27666.2	43914.4	13578.5	131.	1.333	2263.	1.70	1.76	3.	2266.
POLAND	79	729	4440N	12431W	27866.6	43934.8	12859.4	87.	2.583	4356.	1.69	1.91	2244.	6600.
POLAND	77	69	4313N	12456W	27696.9	43915.8	13591.0	93.	5.167	8701.	1.68	1.43	99.	8800.
USSR	79	726	4345N	12434W	27797.5	43930.3	13329.4	87.	2.583	4316.	1.67	1.70	84.	4400.
USSR	77	622	4711N	12443W	28022.6	43911.9	11811.5	60.	1.500	2497.	1.66	1.95	174.	2671.
USSR	78	713	4710N	12459W	28000.5	43916.1	11848.4	109.	1.333	2200.	1.65	1.67	0.	2200.
USSR	79	731	4331N	12438W	27765.2	43926.3	13448.4	82.	1.333	2200.	1.65	1.76	0.	2200.
USSR	79	717	4422N	12446W	27843.4	43934.5	12966.7	126.	1.333	2200.	1.65	1.87	0.	2200.
USSR	79	61	4419N	12507W	27793.8	43932.2	13047.1	137.	1.333	2200.	1.65	1.78	0.	2200.
USSR	79	725	4558N	12442W	27959.3	43927.5	12262.6	104.	1.333	2197.	1.65	1.72	3.	2200.
USSR	78	629	4403N	12459W	27782.0	43933.5	13175.1	93.	1.333	2197.	1.65	1.50	3.	2200.
USSR	77	619	4445N	12437W	27882.7	43934.8	12821.5	137.	1.333	2193.	1.64	1.63	17.	2200.
USSR	77	622	4710N	12444W	28020.5	43912.4	11818.8	60.	1.250	2046.	1.64	1.93	154.	2200.
USSR	79	79	4417N	12429W	27857.9	43934.6	13053.8	55.	3.333	5445.	1.63	1.80	55.	5500.
USSR	73	717	4716N	12451W	28017.4	43912.2	11791.5		2.000	3245.	1.62	1.74	55.	3300.
USSR	77	61	4307N	12452W	27692.2	43914.2	13643.4	137.	1.333	2160.	1.62	1.55	40.	2200.
POLAND	79	813	4431N	12438W	27861.8	43934.8	12938.4	115.	1.333	2152.	1.61	1.98	48.	2200.
USSR	79	72	4348N	12436W	27798.9	43930.6	13303.2	93.	4.083	6568.	1.61	1.76	32.	6600.
USSR	77	624	4507N	12423W	27934.5	43932.5	12629.2	137.	2.083	3349.	1.61	1.52	17.	3366.
POLAND	80	725	4402N	12509W	27763.1	43928.9	13184.8	115.	4.100	6507.	1.59	1.61	94.	6600.
USSR	79	717	4439N	12437W	27874.6	43934.9	12871.2	115.	4.167	6590.	1.58	1.56	10.	6600.
USSR	78	719	4426N	12444W	27844.0	43934.4	12932.5	77.	2.333	3660.	1.57	1.50	740.	4400.
USSR	79	813	4346N	12433W	27804.6	43931.0	13303.7	44.	4.167	6509.	1.56	2.46	91.	6600.
POLAND	79	67	4550N	12427W	27974.5	43926.5	12297.8	87.	1.750	2733.	1.56	2.03	127.	2860.
USSR	79	721	4510N	12420W	27943.2	43931.8	12601.7	153.	1.833	2860.	1.56	1.69	0.	2860.
USSR	78	67	4450N	12433W	27876.2	43934.5	12777.5	109.	1.417	2200.	1.55	1.52	0.	2200.
USSR	77	615	4315N	12445W	27721.5	43919.4	13581.0	219.	1.417	2191.	1.55	1.78	6609.	8800.
USSR	77	751	4302N	12500W	27667.2	43909.5	13678.9	71.	2.750	4230.	1.54	1.63	171.	4400.
USSR	79	721	4532N	12430W	27951.0	43930.0	12438.1	131.	3.583	5494.	1.53	1.78	6.	5500.
USSR	78	723	4726N	12454W	28019.7	43911.0	11758.0		2.250	3427.	1.52	1.64	973.	4400.
USSR	79	720	4704N	12453W	27996.9	43917.2	11878.4	273.	1.750	2640.	1.51	1.72	0.	2640.
POLAND	78	61	4410N	12430W	27945.5	43934.1	13114.1	49.	2.417	3579.	1.48	1.27	18421.	22000.
USSR	77	620	4417N	12432W	27852.3	43934.4	13054.6	57.	1.500	2200.	1.47	1.67	0.	2200.
USSR	78	613	4355N	12433W	27816.2	43932.1	13243.4	55.	1.500	2200.	1.47	1.50	0.	2200.
POLAND	78	718	4425N	12424W	27878.7	43934.9	12933.5	49.	6.000	8800.	1.47	1.47	0.	8800.
POLAND	80	723	4705N	12445W	28015.2	43913.9	11847.5	44.	3.083	4518.	1.47	1.89	4414.	8932.
USSR	79	721	4510N	12420W	27943.2	43931.8	12601.7	120.	1.500	2193.	1.46	1.92	7.	2200.
POLAND	80	711	4420N	12426W	27867.8	43934.8	13027.2	53.	1.500	2193.	1.46	1.85	7.	2200.
USSR	79	79	4423N	12429W	27856.6	43934.8	13002.4	60.	5.250	7665.	1.46	1.76	35.	7700.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	78 611	4402N	12456W	27785.6	43930.7	13184.2	44.	4.500	6569.	1.46	1.61	31.	6600.
USSR	78 715	4711N	12459W	28001.3	43915.8	11843.2	137.	3.417	4985.	1.46	1.67	515.	5500.
USSR	78 627	4353N	12455W	27772.4	43929.0	13258.8		1.500	2184.	1.46	1.35	16.	2200.
POLAND	80 720	4405N	12455W	27792.3	43931.3	13159.3	101.	2.833	4118.	1.45	1.77	1580.	5698.
POLAND	79 626	4312N	12507W	27675.1	43912.4	13592.4	93.	4.500	6536.	1.45	1.60	64.	6600.
USSR	79 726	4334N	12433W	27780.3	43928.0	13424.5	107.	1.000	1452.	1.45	1.58	88.	1540.
USSR	79 626	4352N	12448W	27783.3	43929.6	13267.8	74.	3.000	4352.	1.45	2.11	48.	4400.
POLAND	79 726	4422N	12440W	27845.2	43934.4	13014.5	55.	1.500	2150.	1.43	1.96	50.	2200.
POLAND	80 726	4403N	12457W	27765.5	43930.7	13176.0	55.	4.583	6544.	1.43	1.61	56.	6600.
USSR	78 8 4	4359N	12432W	27824.6	43932.8	13209.0	44.	3.083	4396.	1.43	1.61	4.	4400.
POLAND	80 627	4457N	12425W	27919.0	43933.6	12713.4	148.	2.250	3201.	1.42	1.85	99.	3300.
USSR	79 727	4409N	12430W	27844.0	43934.0	13122.7	38.	3.083	4381.	1.42	1.96	19.	4400.
USSR	77 7 9	4342N	12433W	27790.5	43929.5	13355.0	109.	2.667	3756.	1.41	1.83	28.	3784.
POLAND	77 622	4305N	12457W	27878.9	43911.8	13656.5	38.	1.250	1760.	1.41	1.43	13.	1773.
USSR	77 7 2	4500N	12424W	27924.4	43933.3	12687.7	137.	3.083	4340.	1.41	1.65	60.	4400.
USSR	79 511	4453N	12429W	27907.1	43934.2	12749.7	87.	3.083	4337.	1.41	1.78	63.	4400.
USSR	78 7 1	4357N	12457W	27775.6	43929.6	13225.6	98.	1.583	2200.	1.39	1.47	0.	2200.
POLAND	80 729	4401N	12459W	27778.7	43930.1	13192.6	109.	1.833	2542.	1.39	1.65	98.	2640.
USSR	77 7 1	4355N	12432W	27818.1	43932.3	13243.4	77.	1.583	2189.	1.38	1.66	11.	2200.
POLAND	80 625	4445N	12437W	27882.7	43934.8	12821.5	137.	6.250	8586.	1.37	1.72	214.	8800.
POLAND	79 722	4305N	12451W	27690.0	43913.5	13660.8	120.	1.917	2632.	1.37	1.80	8.	2640.
USSR	78 810	4410N	12455W	27930.3	43932.1	13118.0	71.	2.250	3090.	1.37	1.50	210.	3300.
USSR	78 7 7	4402N	12436W	27818.2	43932.6	13183.4	93.	1.583	2149.	1.36	1.65	51.	2200.
USSR	79 7 6	4341N	12437W	27785.0	43929.0	13363.1	175.	1.583	2147.	1.36	1.67	53.	2200.
POLAND	80 710	4506N	12423W	27933.4	43932.6	12637.4	109.	3.167	4290.	1.35	1.70	110.	4400.
POLAND	80 626	4501N	12421W	27930.9	43932.9	12676.8	115.	3.833	5122.	1.34	1.87	378.	5500.
USSR	77 7 8	4350N	12448W	27779.9	43929.4	13284.6	183.	3.083	4108.	1.33	1.63	292.	4400.
USSR	78 613	4401N	12456W	27784.0	43930.5	13192.5	109.	3.333	4400.	1.32	1.52	0.	4400.
USSR	77 7 1	4410N	12431W	27843.6	43934.0	13114.3	55.	1.667	2200.	1.32	1.76	0.	2200.
USSR	78 613	4400N	12503W	27770.1	43929.3	13200.9	109.	1.667	2200.	1.32	1.30	0.	2200.
USSR	79 722	4310N	12449W	27703.9	43916.4	13620.5	153.	1.833	2396.	1.31	2.16	24.	2420.
POLAND	80 730	4334N	12436W	27774.5	43927.5	13423.5	60.	6.167	8058.	1.31	1.61	149.	8206.
USSR	79 719	4339N	12436W	27763.4	43928.7	13380.5	142.	1.667	2174.	1.30	1.56	26.	2200.
USSR	77 719	4423N	12449W	27830.8	43934.0	13009.2	120.	1.667	2174.	1.30	2.00	26.	2200.
POLAND	80 726	4406N	12458W	27780.6	43931.1	13151.3	71.	4.833	6301.	1.30	1.61	79.	6380.
USSR	78 714	4717N	12451W	28016.6	43912.5	11796.6		1.500	1940.	1.29	1.67	260.	2200.
POLAND	78 717	4539N	12426W	27964.9	43928.3	12379.1	112.	3.417	4400.	1.29	1.59	0.	4400.
USSR	77 7 3	4322N	12452W	27721.9	43920.5	13518.3	55.	1.667	2145.	1.29	1.50	55.	2200.
USSR	79 725	4318N	12444W	27729.2	43920.8	13556.2	82.	3.250	4164.	1.28	2.00	16.	4180.
USSR	77 7 4	4337N	12437W	27777.9	43928.1	13397.4	183.	3.167	4052.	1.28	1.61	348.	4400.
USSR	79 610	4728N	12451W	28025.1	43909.7	11742.3	109.	3.667	4627.	1.26	1.63	1973.	6600.
USSR	77 8 1	4322N	12444W	27736.9	43922.3	13522.4	60.	3.083	3874.	1.26	1.45	526.	4400.
USSR	78 8 8	4425N	12444W	27942.5	43934.4	12990.8	55.	3.417	4286.	1.25	1.54	2314.	6600.
USSR	78 612	4457N	12437W	27898.3	43934.3	12723.2	194.	1.750	2189.	1.25	1.74	11.	2200.
USSR	78 624	4440N	12437W	27876.0	43934.9	12862.9	148.	2.500	3084.	1.23	1.30	216.	3300.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	77 7 14	4550N	12429W	2797.1	43926.8	12300.8	82.	1.750	2143.	1.22	1.93	57.	2200.
USSR	77 7 6	4336N	12434W	27735.5	43928.8	13389.7	109.	2.250	2751.	1.22	1.76	21.	2772.
USSR	77 6 23	4706N	12439W	28025.4	43911.9	11828.1	55.	1.833	2222.	1.21	2.10	462.	2684.
USSR	79 6 7	4413N	12431W	27948.2	43934.2	13088.6	60.	1.833	2190.	1.19	1.63	10.	2200.
USSR	77 8 1	4301N	12457W	27670.6	43909.3	13689.4	27.	1.750	2083.	1.19	1.59	117.	2200.
POLAND	80 7 25	4436N	12437W	27870.5	43934.9	12896.1	71.	0.917	1084.	1.18	1.76	1116.	2200.
POLAND	79 8 8	4429N	12444W	27848.3	43934.0	12957.6	104.	1.750	2057.	1.18	2.10	143.	2200.
USSR	79 6 28	4357N	12434W	27817.6	43932.3	13226.2	49.	1.750	2013.	1.15	1.78	187.	2200.
POLAND	80 6 29	4512N	12419W	27947.2	43931.4	12534.3	148.	1.917	2200.	1.15	1.72	0.	2200.
USSR	77 6 11	4359N	12456W	27777.2	43929.8	13209.0	164.	1.917	2197.	1.15	1.56	3.	2200.
USSR	77 6 23	4305N	12453W	27686.3	43913.0	13659.3	87.	1.917	2194.	1.14	1.45	6.	2200.
POLAND	80 6 29	4511N	12420W	27944.3	43931.7	12593.5	146.	1.917	2161.	1.13	1.69	39.	2200.
POLAND	80 7 29	4333N	12440W	27765.0	43926.5	13450.6	167.	2.083	2318.	1.11	1.85	102.	2420.
USSR	78 7 14	4723N	12449W	28023.9	43910.5	11762.6		1.917	2126.	1.11	1.76	74.	2200.
USSR	78 7 15	4358N	12455W	27790.8	43930.0	13217.3	126.	20.000	21969.	1.10	1.66	31.	22000.
USSR	79 7 5	4350N	12434W	27806.0	43931.2	13256.3	68.	2.917	3198.	1.10	1.85	102.	3300.
POLAND	80 7 16	4431N	12436W	27865.3	43934.8	12937.5	115.	2.000	2182.	1.09	1.67	18.	2200.
USSR	79 7 5	4353N	12426W	27822.5	43932.4	13261.0	60.	2.250	2449.	1.09	1.67	81.	2530.
USSR	77 6 21	4538N	12429W	27959.0	43928.9	12390.8	128.	2.000	2166.	1.08	1.74	34.	2200.
USSR	79 7 15	4516N	12422W	27948.9	43931.0	12538.8	159.	1.417	1534.	1.08	2.25	6.	1540.
USSR	77 6 20	4531N	12426W	27956.5	43929.6	12440.7	120.	2.000	2164.	1.08	1.56	36.	2200.
USSR	79 7 16	4358N	12434W	27819.2	43932.5	13217.6	60.	4.000	4318.	1.08	1.65	82.	4400.
USSR	77 7 5	4303N	12454W	27680.3	43911.7	13675.2	38.	2.000	2145.	1.07	1.47	55.	2200.
USSR	78 6 6	4524N	12423W	27953.8	43930.2	12492.0	13.	1.667	1787.	1.07	1.55	413.	2200.
USSR	77 7 1	4450N	12420W	27905.0	43934.3	12773.9	98.	1.417	1512.	1.07	1.74	248.	1760.
USSR	77 6 20	4329N	12441W	27755.8	43925.2	13464.3	38.	3.083	3289.	1.07	1.45	11.	3300.
USSR	79 6 13	4355N	12433W	27816.2	43932.1	13243.4	96.	2.333	2482.	1.06	2.01	378.	2860.
USSR	78 7 13	4352N	12452W	27776.1	43929.2	13267.4	137.	2.000	2121.	1.06	1.54	79.	2200.
USSR	77 8 13	4309N	12452W	27696.3	43915.1	13626.8	219.	1.000	1056.	1.06	1.70	44.	1100.
USSR	78 7 11	4443N	12434W	27895.3	43934.8	12836.2	77.	3.083	3249.	1.05	1.41	3351.	6600.
USSR	78 7 18	4356N	12432W	27819.7	43932.4	13234.8	55.	2.083	2184.	1.05	1.72	16.	2200.
USSR	79 7 16	4326N	12445W	27742.6	43923.4	13488.0	120.	2.917	3055.	1.05	1.39	25.	3080.
USSR	77 6 17	4419N	12450W	27823.0	43933.6	13042.5	164.	3.167	3295.	1.04	1.67	5.	3300.
USSR	79 7 21	4350N	12437W	27796.6	43930.6	13285.7	153.	3.667	3304.	1.04	1.58	596.	4400.
USSR	78 8 9	4427N	12436W	27859.6	43934.8	12971.1	22.	5.250	5423.	1.03	1.76	77.	5500.
POLAND	80 7 9	4434N	12438W	27866.0	43934.9	12913.3	137.	0.833	858.	1.03	1.76	22.	880.
USSR	78 7 26	4718N	12450W	28018.7	43912.0	11789.5		3.000	3044.	1.01	1.72	256.	3300.
POLAND	80 6 24	4326N	12441W	27750.2	43924.2	13489.9	109.	3.167	3192.	1.01	1.56	108.	3300.
POLAND	80 6 27	4510N	12419W	27944.9	43931.7	12600.7	153.	2.917	2915.	1.00	1.67	165.	3080.
USSR	78 7 27	4408N	12456W	27795.3	43931.7	13134.6	120.	2.167	2147.	0.99	1.59	53.	2200.
USSR	78 7 15	4727N	12449W	28026.9	43909.4	11743.1	66.	2.500	2476.	0.99	1.59	824.	3300.
USSR	77 8 1	4300N	12456W	27670.3	43909.6	13698.4	16.	3.000	2955.	0.99	1.63	345.	3300.
POLAND	80 7 8	4506N	12419W	27940.3	43932.2	12633.6	96.	1.063	1060.	0.98	1.81	84.	1144.
USSR	78 6 12	4451N	12435W	27894.1	43934.5	12770.7	131.	2.250	2200.	0.98	1.78	0.	2200.
USSR	79 6 6	4404N	12428W	27840.0	43933.7	13165.7	60.	2.000	1948.	0.97	1.67	252.	2200.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
POLAND	80 7 9	4500N	12422W	27935.1	43932.5	12636.4	120.	2.167	2110.	0.97	1.61	90.	2200.
USSR	78 7 11	4529N	12421W	27962.6	43929.2	12450.1	93.	2.167	2107.	0.97	1.56	93.	2200.
USSR	78 6 12	4456N	12427W	27916.8	43933.7	12706.8	142.	2.250	2164.	0.96	1.65	36.	2200.
USSR	77 6 14	4355N	12435W	27812.4	43931.9	13243.3	98.	2.250	2140.	0.95	4.01	60.	2200.
USSR	77 7 1	4455N	12425W	27916.6	43933.8	12730.0	98.	3.333	3143.	0.94	1.59	25.	3168.
POLAND	80 6 27	4459N	12426W	27919.7	43933.5	12697.7	131.	3.000	2825.	0.94	1.69	35.	2860.
USSR	79 7 28	4444N	12440W	27976.2	43934.9	12831.6	109.	5.083	4759.	0.94	1.76	81.	4840.
USSR	77 7 6	4302N	12452W	27681.9	43911.8	13685.0	55.	1.750	1637.	0.94	1.56	13.	1650.
USSR	78 7 1	4444N	12435W	27894.9	43934.8	12828.5	137.	2.250	2091.	0.93	1.69	109.	2200.
POLAND	80 7 14	4357N	12433W	27785.6	43928.7	13398.6	109.	2.417	2187.	0.91	1.76	13.	2200.
USSR	79 6 10	4459N	12427W	27918.0	43933.6	12698.5	109.	1.167	1045.	0.90	1.69	55.	1100.
USSR	79 7 13	4521N	12424W	27948.8	43930.8	12517.1	180.	4.667	4135.	0.89	1.69	45.	4180.
USSR	79 7 29	4451N	12433W	27897.5	43934.5	12769.2	131.	1.250	1100.	0.88	0.42	0.	1100.
USSR	79 7 19	4536N	12420W	27971.6	43927.8	12394.0	93.	2.000	1760.	0.88	1.92	7040.	8800.
USSR	78 7 23	4410N	12457W	27796.8	43931.9	13118.3	137.	2.500	2178.	0.87	1.72	22.	2200.
USSR	79 6 9	4342N	12435W	27790.5	43929.5	13355.0	33.	1.250	1089.	0.87	1.69	11.	1100.
USSR	78 6 23	4455N	12425W	27916.6	43933.8	12730.0	153.	1.083	941.	0.87	1.41	159.	1100.
POLAND	80 7 20	4407N	12457W	27792.0	43931.4	13143.0	96.	4.000	3472.	0.87	1.61	48.	3520.
USSR	79 7 15	4532N	12430W	27951.0	43930.0	12439.1	150.	0.250	217.	0.87	1.82	3.	220.
USSR	77 6 30	4459N	12426W	27916.3	43933.7	12699.4	180.	2.063	1802.	0.86	1.57	139.	1940.
POLAND	80 7 17	4501N	12426W	27922.2	43933.3	12681.2	115.	5.000	4296.	0.86	1.65	102.	4400.
USSR	77 6 21	4551N	12444W	27949.0	43929.0	12315.5	230.	2.167	1857.	0.86	1.87	59.	1916.
USSR	77 6 18	4533N	12425W	27960.2	43929.1	12423.9	87.	2.250	1923.	0.85	1.54	277.	2200.
USSR	77 7 3	4320N	12446W	27729.3	43921.1	13538.2	55.	2.583	2197.	0.85	1.47	3.	2200.
USSR	77 8 11	4400N	12433W	27824.3	43932.8	13200.4	77.	2.000	1688.	0.84	1.58	512.	2200.
USSR	79 7 2	4355N	12437W	27808.7	43931.7	13243.2	120.	2.500	2109.	0.84	1.91	91.	2200.
USSR	77 6 22	4722N	12442W	28032.3	43908.9	11753.3	66.	2.333	1965.	0.84	1.78	811.	2776.
USSR	78 6 11	4405N	12459W	27785.3	43930.8	13159.6	126.	4.917	4118.	0.84	1.61	282.	4400.
POLAND	79 6 30	4313N	12507W	27677.1	43912.9	13584.3	109.	2.500	2088.	0.84	1.74	112.	2200.
USSR	76 6 13	4359N	12435W	27818.9	43932.5	13209.0	82.	1.333	1100.	0.83	1.28	0.	1100.
USSR	79 7 18	4353N	12450W	27781.4	43929.7	13259.2	137.	3.000	2462.	0.82	1.65	68.	2530.
USSR	78 6 26	4353N	12432W	27803.5	43931.3	13260.2	98.	2.667	2186.	0.82	1.41	12.	2200.
POLAND	80 7 12	4400N	12456W	27716.9	43930.0	13200.8	126.	5.250	4228.	0.81	1.56	172.	4400.
USSR	77 6 22	4322N	12444W	27736.9	43922.3	13522.4	93.	2.750	2200.	0.80	1.32	0.	2200.
POLAND	80 7 13	4356N	12455W	27777.5	43929.6	13233.9	93.	1.333	1064.	0.80	1.64	36.	1100.
USSR	79 6 30	4331N	12446W	27746.3	43924.4	13444.6	22.	2.750	2169.	0.79	1.80	31.	2200.
USSR	78 7 10	4534N	12423W	27954.6	43928.7	12413.5	71.	2.500	1938.	0.78	1.67	262.	2200.
POLAND	79 8 15	4410N	12456W	27795.0	43931.6	13118.4	109.	2.750	2119.	0.77	1.86	81.	2200.
USSR	79 7 1	4335N	12449W	27751.7	43925.4	13410.6	159.	2.833	2179.	0.77	1.78	21.	2200.
POLAND	80 7 25	4726N	12444W	28032.6	43908.4	11737.8	38.	3.000	2296.	0.77	1.96	124.	2420.
USSR	77 6 12	4316N	12450W	27714.0	43918.6	13569.6	109.	1.167	880.	0.75	1.36	0.	880.
USSR	78 6 13	4543N	12440W	27946.8	43929.7	12368.2	115.	2.333	1758.	0.75	1.69	2.	1760.
USSR	78 6 29	4409N	12429W	27845.9	43934.1	13122.6		2.917	2172.	0.74	1.52	28.	2200.
USSR	78 7 17	4422N	12448W	27831.0	43934.0	13017.1	101.	1.333	992.	0.74	1.57	108.	1100.
USSR	77 7 30	4315N	12447W	27717.7	43919.0	13579.8	191.	1.417	1053.	0.74	1.74	47.	1100.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
POLAND	80 721	4405N	12457W	27788.8	43931.1	13159.5	126.	0.583	431.	0.74	1.78	9.	440.
USSR	77 612	4357N	12457W	27775.6	43929.6	13225.6	118.	1.500	1100.	0.73	1.43	0.	1100.
USSR	78 721	4415N	12457W	27804.6	43932.6	13077.2	148.	3.000	2199.	0.73	1.53	1.	2200.
USSR	79 718	4355N	12455W	27775.8	43929.4	13242.2	153.	3.000	2153.	0.72	1.56	47.	2200.
POLAND	80 719	4315N	12444W	27723.4	43919.7	13581.6	161.	3.000	2146.	0.72	1.39	54.	2200.
USSR	79 716	4334N	12431W	27951.5	43929.8	12424.0	153.	2.417	1707.	0.71	1.83	53.	1760.
POLAND	80 724	4452N	12427W	27916.8	43933.7	12706.8	120.	3.083	2177.	0.71	1.82	23.	2200.
POLAND	80 7 7	47 12N	12444W	28022.0	43911.9	11808.3	44.	5.667	3987.	0.70	1.89	4813.	8800.
POLAND	80 731	4338N	12439W	27775.9	43928.0	13388.2	109.	3.000	2107.	0.70	1.72	94.	2200.
USSR	79 629	4334N	12439W	27768.7	43927.0	13422.4	22.	3.083	2156.	0.70	1.65	44.	2200.
USSR	78 727	4404N	12456W	27788.9	43931.0	13167.7	109.	1.500	1044.	0.70	1.63	56.	1100.
USSR	77 730	4308N	12448W	27701.8	43915.7	13637.9	16.	3.250	2161.	0.67	1.53	39.	2200.
USSR	79 7 7	4356N	12435W	27814.1	43932.1	13234.7	82.	1.667	1100.	0.66	1.87	0.	1100.
POLAND	79 8 1	4318N	12444W	27729.2	43920.8	13556.2	159.	1.333	678.	0.66	1.80	2.	880.
USSR	77 731	4306N	12456W	27682.8	43912.6	13648.9	30.	2.917	1918.	0.66	1.61	282.	2200.
USSR	79 716	4355N	12438W	27806.8	43931.6	13243.1	164.	3.333	2185.	0.66	0.99	15.	2200.
USSR	79 7 9	4408N	12431W	27840.6	43933.8	13131.5	41.	3.333	2173.	0.65	1.78	27.	2200.
USSR	78 716	4414N	12435W	27842.3	43934.1	13080.8	55.	3.417	2193.	0.64	1.72	7.	2200.
POLAND	79 729	4424N	12436W	27855.3	43934.6	12996.4	66.	2.333	1491.	0.64	1.78	49.	1540.
USSR	77 730	4310N	12452W	27698.3	43915.6	13618.5	55.	1.333	842.	0.63	1.65	1358.	2200.
USSR	78 624	4406N	12457W	27790.4	43931.2	13151.2	14.	1.750	1100.	0.63	1.66	0.	1100.
USSR	78 714	4512N	12420W	27945.5	43931.5	12585.3	120.	1.667	1042.	0.63	1.48	58.	1100.
USSR	79 716	4357N	12455W	27779.1	43929.8	13225.6	66.	3.500	2179.	0.62	1.67	21.	2200.
USSR	78 722	4342N	12433W	27794.4	43929.8	13355.5	66.	3.500	2098.	0.60	1.69	102.	2200.
USSR	79 814	4439N	12440W	27869.4	43934.9	12872.8	109.	0.917	548.	0.60	1.87	2.	550.
POLAND	77 6 5	4301N	12453W	27578.0	43911.0	13692.5	82.	3.667	2187.	0.60	1.57	13.	2200.
POLAND	79 728	4428N	12444W	27846.9	43934.5	12965.9	115.	1.750	1042.	0.60	1.67	58.	1100.
USSR	78 623	4502N	12424W	27926.9	43933.1	12671.2	126.	1.083	644.	0.59	1.34	457.	1100.
USSR	79 625	4325N	12502W	27709.4	43919.3	13488.7	38.	1.833	1071.	0.58	1.76	29.	1100.
POLAND	80 728	4432N	12439W	27961.4	43934.8	12930.5	101.	0.667	381.	0.57	2.02	59.	440.
POLAND	80 728	4301N	12456W	27672.4	43910.1	13690.2	191.	2.750	1570.	0.57	1.56	190.	1760.
USSR	78 727	4402N	12457W	27733.9	43930.5	13184.2	82.	2.750	1541.	0.56	1.59	659.	2200.
USSR	78 621	4353N	12444W	27792.3	43930.5	13259.7	137.	1.833	1018.	0.56	1.32	82.	1100.
USSR	79 710	4520N	12421W	27952.8	43930.6	12521.6	131.	4.000	2217.	0.55	1.78	2403.	4620.
USSR	78 613	4556N	12441W	27958.8	43927.7	12275.3	115.	3.583	1980.	0.55	1.54	0.	1980.
USSR	79 628	4400N	12435W	27820.5	43932.6	13200.4	82.	3.917	2147.	0.55	1.74	53.	2200.
POLAND	78 628	4315N	12444W	27723.4	43919.7	13581.6	159.	2.000	1088.	0.54	1.37	12.	1100.
USSR	78 6 8	4459N	12425W	27921.5	43933.4	12696.8	153.	1.167	635.	0.54	1.70	25.	660.
USSR	79 6 2	4310N	12449W	27703.9	43916.4	13620.5	104.	2.000	1082.	0.54	1.82	18.	1100.
POLAND	80 7 7	4704N	12451W	28006.3	43915.6	11864.8	69.	3.083	1635.	0.53	1.87	785.	2420.
USSR	78 8 6	4727N	12450W	28025.6	43909.7	11745.1	109.	2.083	1095.	0.53	1.74	5.	1100.
POLAND	80 7 7	4706N	12449W	28010.6	43914.7	11650.1	63.	1.000	521.	0.52	1.43	139.	660.
USSR	78 716	4723N	12448W	28025.2	43910.2	11760.5		2.000	1021.	0.51	1.83	79.	1100.
USSR	78 612	4452N	12431W	27902.3	43934.3	12759.5	109.	2.167	1100.	0.51	1.66	0.	1100.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-1.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
POLAND	77 820	4357N	12458W	27773.9	43929.4	13225.5	90.	0.063	54774.	657.29	1.56	226.	55000.
USSR	78 826	4358N	12457W	27777.2	43929.8	13217.3	87.	0.083	43963.	527.55	1.56	37.	44000.
USSR	79 818	4407N	12430W	27840.9	43933.8	13140.0	33.	0.333	65965.	197.90	2.11	35.	66000.
POLAND	78 829	4359N	12440W	27809.6	43932.0	13209.0	79.	0.167	32320.	193.92	1.54	680.	33000.
POLAND	78 831	4405N	12438W	27822.9	43933.0	13157.9	71.	0.400	77000.	192.50	1.61	0.	77000.
POLAND	77 828	4400N	12434W	27822.4	43932.7	13200.4	87.	0.667	103376.	155.06	1.54	24.	103400.
USSR	79 912	4357N	12456W	27777.3	43929.7	13225.6	96.	0.167	24741.	148.44	1.91	119.	24860.
POLAND	79 823	4422N	12445W	27836.3	43934.1	13016.1	115.	0.083	12225.	146.70	1.91	975.	13200.
POLAND	80 9 2	4431N	12437W	27863.5	43934.8	12937.9	41.	0.333	48293.	144.88	1.76	6707.	55000.
USSR	79 831	4358N	12441W	27806.1	43931.7	13217.5	55.	0.500	65976.	131.95	1.91	24.	66000.
USSR	78 9 7	4417N	12455W	27811.2	43933.0	13060.3	87.	0.250	32964.	131.86	1.56	36.	33000.
USSR	79 831	4357N	12453W	27782.7	43930.1	13225.7	82.	0.500	65885.	131.77	1.85	115.	66000.
POLAND	78 925	4723N	12446W	28027.8	43909.7	11756.5	87.	0.417	50495.	121.19	1.75	105.	50600.
USSR	78 825	4357N	12456W	27777.3	43929.7	13225.6	66.	0.500	54988.	109.98	1.54	12.	55000.
POLAND	77 823	4420N	12427W	27866.0	43934.7	13027.5	47.	0.500	54901.	109.80	1.67	99.	55000.
USSR	78 827	4359N	12437W	27815.2	43932.3	13209.0	82.	0.167	17600.	105.60	1.64	0.	17600.
USSR	7910 6	4717N	12446W	28023.2	43911.2	11786.5	131.	0.417	43442.	104.26	2.31	998.	44440.
POLAND	78 829	4403N	12440W	27816.1	43932.6	13175.0	82.	0.667	65932.	98.90	1.61	68.	66000.
POLAND	80 9 6	4419N	12451W	27821.2	43933.5	13042.8	164.	0.333	32938.	98.81	1.74	62.	33000.
POLAND	80 9 4	4355N	12429W	27823.8	43932.6	13243.6	66.	0.333	32894.	98.68	1.72	106.	33000.
POLAND	80 9 2	4431N	12435W	27827.1	43934.9	12937.0	74.	0.333	31880.	95.64	1.91	20.	31900.
POLAND	80 917	4312N	12451W	27704.2	43916.7	13602.4	161.	0.583	55000.	94.29	1.30	0.	55000.
POLAND	79 922	4452N	12424W	27914.6	43933.9	12754.3	77.	0.583	54940.	94.18	1.99	60.	55000.
POLAND	77 823	4429N	12432W	27869.7	43934.9	12952.6	48.	0.417	38982.	93.56	1.80	5018.	44000.
POLAND	80 829	4403N	12458W	27783.7	43930.6	13176.0	120.	0.333	30327.	90.98	1.75	473.	30800.
POLAND	80 9 4	4401N	12435W	27822.1	43932.8	13191.8	49.	0.417	37905.	90.97	1.72	6095.	44000.
USSR	79 830	4356N	12440W	27804.7	43931.5	13234.5	82.	0.500	43980.	87.96	2.02	20.	44000.
USSR	77 912	4307N	12450W	27696.0	43914.7	13644.9	109.	0.750	65876.	87.83	1.56	124.	66000.
POLAND	77 824	4412N	12437W	27835.6	43933.8	13098.2	60.	0.667	58520.	87.78	1.71	0.	58520.
POLAND	78 926	4720N	12444W	28028.2	43909.9	11767.3	93.	0.500	43806.	87.61	1.91	194.	44000.
POLAND	80 9 2	4426N	12436W	27858.2	43934.7	12979.5	63.	0.250	21551.	86.20	1.85	9.	21560.
POLAND	7810 3	4729N	12451W	28025.8	43909.5	11737.6	68.	0.583	48206.	82.64	1.88	194.	48400.
POLAND	80 826	4337N	12434W	27783.7	43928.6	13398.3	93.	0.417	34143.	81.94	2.09	243.	34386.
POLAND	731015	4423N	12438W	27850.3	43934.5	13005.5	87.	0.667	54022.	81.03	1.78	978.	55000.
POLAND	78 826	4418N	12437W	27844.7	43934.3	13047.4	61.	0.333	26400.	79.20	1.74	0.	26400.
POLAND	78 9 3	4358N	12436W	27815.4	43932.3	13217.5	93.	0.417	32728.	78.55	1.52	712.	33440.
POLAND	79 921	4450N	12424W	27912.1	43934.1	12771.0	71.	0.667	50327.	75.49	2.05	53.	50380.
USSR	78 825	4345N	12436W	27793.8	43930.0	13329.0	109.	0.250	18700.	74.80	1.49	0.	18700.
USSR	77 820	4345N	12457W	27756.8	43927.0	13316.7	87.	0.500	37291.	74.58	1.52	43.	37334.
USSR	77 831	4356N	12454W	27779.2	43929.8	13233.9	77.	0.750	54903.	73.07	1.64	197.	55000.
POLAND	80 9 6	4419N	12449W	27824.7	43933.6	13042.3	96.	0.333	24092.	72.28	1.91	108.	24200.
USSR	77 916	4440N	12432W	27864.8	43934.8	12860.0	104.	1.083	76724.	70.82	2.24	276.	77000.
POLAND	78 9 4	4358N	12437W	27813.6	43932.2	13217.5	104.	0.250	17592.	70.37	1.53	8.	17600.
USSR	79 911	4357N	12454W	27780.9	43930.0	13225.6	82.	0.333	23361.	70.08	1.80	19539.	42900.
USSR	79 913	4447N	12427W	27902.9	43934.4	12798.2	55.	0.750	51856.	69.14	2.00	3144.	55000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--Foreign Pacific whiting catch rates and positions in the International North Pacific Fisheries Commission (INPFC) Columbia Area during August 16-October 31, 1977-80.

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE		APPRX LORAN-C PULSE RATES			FISHING		HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
	YYMMDD	LAT	LONG	9X	9Y	9Z	DEPTH (FMS)						
USSR	7910 5	47 19N	12451W	28018.2	43912.0	11786.5	93.	0.667	43996.	65.99	2.22	4.	44000.
USSR	78 825	4401N	12459W	27778.7	43930.1	13192.6	109.	0.667	43994.	65.99	1.54	6.	44000.
USSR	79 927	4310N	12448W	27705.8	43916.6	13621.1	109.	0.500	32995.	65.99	0.86	5.	33000.
USSR	78 926	4408N	12456W	27795.3	43931.7	13134.6	87.	0.667	43962.	65.94	1.62	38.	44000.
POLAND	77 820	4357N	12452W	27773.9	43929.4	13225.5	82.	0.333	21978.	65.94	1.54	22.	22000.
USSR	79 819	4407N	12429W	27842.8	43933.9	13139.8	44.	0.667	43815.	65.72	2.11	185.	44000.
USSR	77 912	4307N	12450W	27696.0	43914.7	13644.9	109.	1.000	65579.	65.58	1.59	421.	66000.
POLAND	781028	4336N	12432W	27789.3	43929.1	13390.3	93.	0.667	43712.	65.57	1.41	288.	44000.
POLAND	78 829	4401N	12442W	27809.2	43932.1	13192.0	68.	0.667	43501.	65.25	1.58	499.	44000.
POLAND	781015	4429N	12436W	27862.5	43934.8	12954.3	63.	0.583	38060.	65.25	1.80	0.	38060.
POLAND	78 824	4357N	12428W	27829.0	43932.9	13226.3	68.	1.167	74941.	64.24	1.54	2059.	77000.
POLAND	80 9 3	4410N	12426W	27853.0	43934.3	13113.5	57.	0.500	31904.	63.81	1.89	1096.	33000.
POLAND	80 9 2	4428N	12435W	27862.9	43934.8	12962.3	66.	0.333	20814.	62.44	1.83	12186.	33000.
POLAND	781010	4307N	12420W	27939.7	43932.2	12626.3	112.	0.417	25814.	61.95	1.74	586.	26400.
POLAND	781028	4346N	12433W	27801.2	43930.6	13321.0	77.	1.000	60887.	60.89	1.79	273.	61160.
POLAND	78 824	4358N	12427W	27832.5	43933.1	13217.7	68.	1.083	65798.	60.74	1.56	202.	66000.
USSR	79 930	4354N	12453W	27777.7	43929.5	13250.6	109.	0.833	50569.	60.68	1.89	31.	50600.
USSR	77 915	4436N	12433W	27877.6	43934.9	12894.1	87.	1.083	65321.	60.30	2.24	679.	66000.
USSR	78 923	4411N	12457W	27798.4	43932.0	13110.1	71.	0.917	54956.	59.95	1.61	44.	55000.
POLAND	79 831	4357N	12456W	27777.3	43929.7	13225.6	120.	0.733	43867.	59.82	1.85	133.	44000.
POLAND	80 831	4420N	12427W	27866.0	43934.7	13027.5	49.	0.667	39523.	59.28	1.89	77.	39600.
POLAND	781010	4307N	12420W	27939.7	43932.2	12626.3	104.	0.750	44372.	59.16	1.67	68.	44440.
USSR	79 818	4405N	12432W	27834.1	43933.5	13157.4	38.	0.750	43984.	58.65	2.20	16.	44000.
USSR	79 817	4414N	12432W	27836.8	43933.9	13081.5	38.	0.750	43960.	58.61	2.20	40.	44000.
USSR	79 831	4357N	12449W	27789.9	43930.6	13225.8	55.	1.167	66000.	56.57	1.76	0.	66000.
USSR	78 826	4402N	12457W	27783.9	43930.5	13184.2	109.	0.583	32973.	56.53	1.54	27.	33000.
POLAND	79 830	4402N	12454W	27789.2	43930.9	13184.1	96.	0.417	22384.	53.72	1.54	56.	22440.
USSR	79 921	4413N	12452W	27810.2	43932.6	13092.7	55.	0.167	8867.	53.20	1.91	373.	9240.
POLAND	7810 4	4729N	12450W	28027.1	43909.2	11735.5	66.	0.333	17669.	53.01	2.10	371.	18040.
USSR	77 816	4407N	12432W	27837.2	43933.7	13140.2	44.	0.917	48402.	52.80	1.76	42.	48444.
POLAND	78 9 4	4353N	12434W	27811.0	43931.7	13260.5	115.	0.500	26373.	52.75	1.55	27.	26400.
POLAND	7910 5	4430N	12438W	27860.3	43934.8	12945.7	115.	0.833	43847.	52.62	2.23	153.	44000.
POLAND	781028	4345N	12432W	27801.4	43930.6	13329.8	93.	0.417	21690.	52.06	1.89	310.	22000.
POLAND	79 827	4416N	12425W	27853.8	43934.7	13001.4	27.	0.333	17350.	52.05	1.93	250.	17600.
USSR	79 824	4421N	12427W	27867.4	43934.8	13018.9	41.	0.667	34674.	52.01	2.24	526.	35200.
POLAND	801018	4447N	12434W	27890.6	43934.7	12803.0	104.	0.917	47229.	51.52	2.18	71.	47300.
USSR	79 9 7	4344N	12437W	27790.2	43929.7	13337.4	82.	0.333	17060.	51.18	1.74	100.	17160.
USSR	78 820	4415N	12456W	27806.4	43932.7	13077.9	98.	0.417	21116.	50.68	1.67	864.	22000.
USSR	78 9 9	4345N	12434W	27794.2	43929.9	13345.6	82.	0.667	33186.	49.78	1.41	34.	33220.
USSR	77 817	4335N	12434W	27780.1	43928.1	13415.6	87.	0.667	33000.	49.50	1.44	0.	33000.
POLAND	771015	4503N	12425W	27926.3	43933.1	12663.9	189.	1.333	65953.	49.46	1.85	47.	66000.
POLAND	78 911	4358N	12457W	27777.2	43929.8	13217.3	137.	0.667	32859.	49.29	1.50	141.	33000.
POLAND	78 831	4402N	12438W	27818.2	43932.6	13183.4	85.	0.867	42547.	49.09	1.60	1453.	44000.
POLAND	80 829	4420N	12453W	27819.3	43933.5	13035.1	126.	0.583	28590.	49.01	1.70	10.	28600.
USSR	79 923	4419N	12442W	27826.5	43933.7	13042.0	55.	0.833	40789.	48.95	2.13	131.	40920.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
POLAND	80 824	4407N	12458W	27790.2	43931.3	13143.1	131.	1.083	52576.	48.53	1.74	224.	52800.
USSR	77 821	4319N	12443W	27729.3	43921.0	13547.2	137.	0.667	32145.	48.22	1.63	855.	33000.
USSR	77 9 7	4333N	12439W	27766.9	43926.7	13431.0	219.	0.917	44000.	48.00	1.60	0.	44000.
USSR	77 817	4350N	12433W	27308.0	43931.3	13286.5	74.	0.917	43962.	47.96	1.53	38.	44000.
POLAND	79 930	4440N	12434W	27889.3	43934.7	12811.3	186.	0.233	39545.	47.45	1.94	55.	39600.
USSR	78 822	4347N	12433W	27802.9	43930.8	13312.3	98.	0.750	35200.	46.93	1.43	0.	35200.
POLAND	781013	4443N	12435W	27883.6	43934.8	12836.8	120.	1.167	54640.	46.83	1.56	360.	55000.
POLAND	80 9 5	4353N	12433W	27812.9	43931.8	13260.6	57.	0.750	35029.	46.71	1.63	8971.	44000.
POLAND	78 821	4347N	12430W	27808.7	43931.2	13312.8	71.	1.417	65627.	46.33	1.49	813.	66440.
USSR	78 826	4355N	12438W	27805.8	43931.6	13243.1	98.	0.667	30800.	46.20	1.47	0.	30800.
POLAND	80 828	4401N	12455W	27785.7	43930.6	13192.4	85.	0.500	23040.	46.08	1.69	60.	23100.
POLAND	781024	4528N	12427W	27951.6	43930.2	12465.4	71.	1.000	45364.	45.36	1.76	176.	45540.
POLAND	781012	4443N	12436W	27881.8	43934.8	12837.4	120.	0.583	26291.	45.07	1.80	109.	26400.
USSR	79 925	4310N	12440W	27705.8	43916.6	13621.1	137.	1.000	44617.	44.62	1.06	43.	44660.
USSR	77 827	4353N	12456W	27772.6	43928.6	13258.7	96.	0.750	33000.	44.00	1.73	0.	33000.
USSR	78 826	4331N	12459W	27726.1	43922.1	13440.4	109.	0.750	32974.	43.97	1.63	26.	33000.
USSR	79 9 7	4433N	12438W	27864.6	43934.9	12921.7	120.	1.000	43938.	43.94	1.91	62.	44000.
POLAND	80 9 2	4421N	12449W	27827.8	43933.6	13025.7	126.	1.000	43897.	43.90	1.65	103.	44000.
POLAND	80 823	4410N	12454W	27795.0	43931.8	13118.4	134.	0.333	14507.	43.52	1.89	13.	14520.
USSR	77 820	4409N	12428W	27847.7	43934.1	13122.5	191.	1.000	43308.	43.31	1.66	2892.	46200.
POLAND	80 824	4410N	12458W	27795.0	43931.8	13118.4	142.	1.167	50516.	43.30	1.69	84.	50600.
POLAND	77 829	4457N	12445W	27884.8	43934.6	12729.5	77.	1.167	50486.	43.27	1.47	114.	50600.
USSR	78 824	4357N	12440W	27806.4	43931.7	13226.0	82.	0.917	39600.	43.20	1.54	0.	39600.
POLAND	781030	4349N	12432W	27838.2	43931.3	13295.2	82.	1.250	53823.	43.06	1.67	737.	54560.
POLAND	78 830	4356N	12437W	27813.6	43932.2	13217.5	87.	0.917	38889.	42.42	1.55	6211.	45100.
POLAND	80 828	4426N	12444W	27844.0	43934.4	12932.5	85.	1.000	42323.	42.32	1.76	3218.	45540.
POLAND	8010 5	4352N	12436W	27801.8	43931.1	13268.7	137.	1.083	45299.	41.81	2.00	461.	45760.
USSR	7910 4	4356N	12452W	27782.8	43930.0	13234.0	77.	1.583	66113.	41.76	2.00	107.	66220.
USSR	77 912	4308N	12443W	27701.8	43915.7	13637.9	153.	1.083	43909.	40.53	1.74	91.	44000.
POLAND	8010 7	4347N	12434W	27801.0	43930.7	13312.2	107.	1.000	39971.	39.97	2.02	4469.	44440.
POLAND	78 827	4359N	12436W	27817.1	43932.4	13209.0	68.	1.067	42381.	39.73	1.54	1619.	44000.
USSR	78 825	4346N	12434W	27799.3	43930.5	13320.8	82.	0.833	33000.	39.60	1.54	0.	33000.
USSR	79 9 9	4412N	12454W	27803.6	43932.3	13109.6	49.	1.000	39530.	39.53	1.80	70.	39600.
POLAND	7810 2	4722N	12445W	26027.0	43909.9	11761.4	93.	1.167	46068.	39.49	1.92	132.	46200.
POLAND	78 828	4404N	12437W	27823.2	43933.0	13166.3	82.	1.667	65744.	39.45	1.56	256.	66000.
POLAND	78 830	4402N	12436W	27816.5	43932.5	13191.9	82.	1.667	65722.	39.43	1.52	278.	66000.
POLAND	77 819	4409N	12456W	27793.4	43931.6	13126.7	109.	1.667	65662.	39.40	1.56	118.	65780.
USSR	78 825	4356N	12449W	27804.7	43931.5	13234.5	71.	1.083	41916.	38.69	1.55	984.	42900.
USSR	79 820	4412N	12433W	27843.0	43934.1	13097.5	41.	0.833	31900.	38.28	2.20	0.	31900.
USSR	79 925	4416N	12452W	27818.0	43933.3	13051.3	55.	1.000	38276.	38.28	1.99	224.	38500.
USSR	79 9 4	4414N	12451W	27813.6	43933.0	13084.2	44.	1.333	51034.	38.28	2.06	6.	51040.
USSR	77 914	4409N	12457W	27795.2	43931.7	13126.5	112.	0.750	28574.	38.10	2.00	26.	28600.
POLAND	78 9 7	4326N	12441W	27750.2	43924.2	13489.9	169.	0.867	32970.	38.04	1.47	30.	33000.
USSR	79 9 4	4355N	12447W	27790.2	43930.5	13242.6	98.	0.583	21998.	37.71	1.89	2.	22000.
USSR	79 831	4357N	12448W	27791.7	43930.7	13225.8	60.	1.167	43974.	37.69	1.82	26.	44000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
POLAND	80 9 8	4452N	12432W	27900.6	43934.4	12760.2	93.	0.583	21980.	37.68	2.02	20.	22000.
POLAND	78 926	4724N	12445W	26029.9	43909.2	11749.5	93.	1.167	43937.	37.66	1.72	283.	44220.
USSR	79 9 3	4445N	12432W	27891.5	43934.7	12818.3	98.	0.583	21961.	37.65	1.98	39.	22000.
USSR	78 821	4354N	12433W	27814.6	43932.0	13252.0	66.	1.167	43889.	37.62	1.52	111.	44000.
USSR	78 821	4417N	12457W	27837.7	43932.6	13060.8	112.	0.583	21874.	37.50	1.65	126.	22000.
POLAND	78 822	4403N	12427W	27840.4	43933.7	13174.3	66.	1.750	65507.	37.43	1.51	493.	66000.
USSR	781028	4443N	12433W	27796.1	43930.0	13346.8	66.	1.000	37400.	37.40	1.65	0.	37400.
POLAND	79 819	4359N	12430W	27828.4	43933.0	13209.0	52.	1.000	37384.	37.38	2.02	16.	37400.
POLAND	801012	4302N	12446W	27659.5	43912.9	13668.1	120.	1.000	37334.	37.33	1.30	66.	37400.
USSR	73 825	4349N	12436W	27800.6	43930.6	13294.7	109.	0.417	15400.	36.96	1.46	0.	15400.
POLAND	80 825	4336N	12434W	27781.9	43928.3	13406.9	93.	1.500	55412.	36.94	1.25	28.	55440.
POLAND	79 825	4421N	12427W	27867.4	43934.6	13018.9	41.	2.083	76743.	36.84	2.02	7517.	84260.
POLAND	78 915	4413N	12457W	27801.5	43932.3	13093.6	115.	0.250	9159.	36.64	1.53	3161.	12320.
USSR	73 822	4356N	12435W	27821.1	43932.6	13217.6	77.	1.500	54912.	36.61	1.65	88.	55000.
POLAND	8010 7	4446N	12434W	27989.3	43934.7	12811.3	118.	1.667	61012.	36.61	1.67	148.	61160.
USSR	781030	4342N	12433W	27794.4	43929.8	13355.5	71.	1.083	39543.	36.50	1.92	57.	39600.
USSR	79 9 3	4350N	12432W	27809.9	43931.5	13286.6	98.	1.333	48648.	36.49	1.82	6352.	55000.
USSR	78 824	4355N	12443W	27797.5	43931.0	13242.8	82.	1.333	48375.	36.28	1.50	25.	48400.
USSR	79 829	4354N	12430W	27820.3	43932.3	13252.2	82.	1.333	48329.	36.25	1.85	71.	48400.
POLAND	80 823	4415N	12451W	27815.1	43933.1	13075.9	63.	1.417	51144.	36.10	1.72	2536.	53680.
USSR	77 828	4355N	12457W	27772.2	43929.1	13242.1	87.	0.917	33000.	36.00	1.73	0.	33000.
USSR	79 920	4429N	12453W	27832.7	43934.2	12961.3	164.	0.917	32999.	36.00	1.91	1.	33000.
USSR	79 821	4407N	12431W	27839.0	43933.8	13140.1	33.	0.917	32989.	35.99	2.02	11.	33000.
USSR	78 927	4406N	12456W	27792.1	43931.3	13151.1	104.	0.917	32956.	35.95	1.67	44.	33000.
POLAND	78 924	4556N	12427W	27930.5	43925.3	12253.8	87.	0.917	32934.	35.93	1.79	66.	33000.
USSR	79 831	4311N	12509W	27659.6	43911.4	13599.3	175.	1.750	62697.	35.83	1.80	663.	63360.
USSR	781030	4345N	12434W	27797.6	43930.3	13329.4	71.	0.750	26372.	35.16	1.93	28.	26400.
USSR	79 9 8	4345N	12437W	27791.9	43929.9	13328.8	109.	1.250	43941.	35.15	1.61	59.	44000.
USSR	78 927	4406N	12454W	27795.6	43931.6	13150.9	109.	1.250	43927.	35.14	1.58	73.	44000.
USSR	79 9 1	4402N	12502W	27775.1	43929.9	13184.5	109.	0.500	17556.	35.11	1.94	44.	17600.
USSR	78 9 4	4356N	12453W	27731.0	43929.9	13234.0	71.	1.250	43877.	35.10	1.61	123.	44000.
USSR	73 9 2	4401N	12452W	27791.1	43931.0	13192.3	109.	0.250	8762.	35.05	1.55	39.	8800.
USSR	79 927	4310N	12447W	27707.7	43916.9	13621.8	137.	1.417	49483.	34.93	0.88	17.	49500.
POLAND	80 911	4703N	12443W	26016.3	43913.9	11854.4	60.	1.000	34885.	34.88	1.99	315.	35200.
USSR	7910 3	4716N	12449W	28018.5	43912.2	11797.7	71.	0.667	23210.	34.81	2.22	4290.	27500.
POLAND	78 9 7	4318N	12444W	27729.2	43920.6	13556.2	186.	0.917	31827.	34.72	1.50	73.	31900.
USSR	78 9 7	4418N	12455W	27812.7	43933.1	13052.1	109.	0.833	28600.	34.32	1.63	0.	28600.
POLAND	80 9 3	4356N	12434W	27815.9	43932.2	13234.7	82.	1.083	37100.	34.25	1.56	6900.	44000.
POLAND	80 9 2	4430N	12435W	27865.7	43934.8	12945.4	66.	1.600	54558.	34.10	1.83	442.	55000.
USSR	79 9 4	4453N	12425W	27914.1	43933.9	12746.7	60.	1.167	39579.	33.92	1.94	21.	39000.
POLAND	78 831	4402N	12436W	27818.2	43932.6	13183.4	71.	1.167	39561.	33.91	1.68	39.	39600.
USSR	77 824	4432N	12440W	27859.6	43934.8	12930.9	137.	0.500	16909.	33.82	1.61	191.	17101.
POLAND	80 9 6	4419N	12450W	27823.0	43933.6	13042.5	71.	0.750	25331.	33.78	1.83	1069.	26400.
POLAND	781018	4456N	12425W	27917.8	43933.7	12721.7	109.	1.333	44161.	33.12	1.55	59.	44220.
USSR	78 817	4352N	12431W	27815.1	43931.9	13269.4	60.	1.333	44000.	33.00	1.57	0.	44000.

65

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE			APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
	YYMMDD	LAT	LONG	9X	9Y	9Z							
USSR	79 927	4310N	12447W	27707.7	43916.9	13621.8	109.	0.667	21999.	33.00	0.79	1.	22000.
USSR	79 9 9	4510N	12420W	27943.2	43931.8	12601.7	98.	1.333	43976.	32.98	1.94	24.	44000.
USSR	77 910	4311N	12448W	27707.8	43917.0	13612.7	180.	1.667	54930.	32.96	1.91	70.	55000.
POLAND	79 817	4356N	12444W	27797.3	43931.1	13234.3	107.	0.333	10968.	32.90	1.97	32.	11000.
USSR	77 913	4303N	12447W	27693.5	43913.7	13680.5	82.	1.333	43830.	32.87	1.55	170.	44000.
USSR	79 927	4328N	12452W	27729.5	43921.9	13484.9	115.	0.667	21900.	32.85	2.00	100.	22000.
POLAND	77 819	4353N	12457W	27768.8	43928.7	13258.7	60.	1.333	43799.	32.85	1.54	201.	44000.
POLAND	80 9 9	4435N	12432W	27867.4	43934.9	12905.0	115.	0.667	21849.	32.77	1.91	151.	22000.
POLAND	79 821	4403N	12426W	27842.3	43933.7	13174.2	55.	0.417	13583.	32.60	1.72	9957.	23540.
POLAND	7810 7	4714N	12451W	28014.3	43913.2	11811.9	109.	1.000	32569.	32.57	1.85	431.	33000.
USSR	79 911	4455N	12425W	27916.6	43933.8	12730.0	137.	1.083	35108.	32.41	2.05	92.	35200.
USSR	79 916	4311N	12442W	27719.3	43918.6	13616.7	109.	0.750	23957.	31.94	1.83	23.	23980.
USSR	79 831	4356N	12452W	27782.8	43930.0	13234.0	66.	0.417	13191.	31.66	1.91	9.	13200.
POLAND	78 822	4353N	12429W	27820.6	43932.3	13261.0	68.	1.917	60664.	31.65	1.58	936.	61600.
POLAND	781029	4344N	12431W	27901.7	43930.5	13338.6	82.	0.500	15792.	31.58	1.72	268.	16060.
USSR	77 824	4356N	12422W	27839.0	43933.3	13235.3	109.	1.050	32845.	31.28	1.69	155.	33000.
POLAND	78 819	4405N	12427W	27843.5	43933.8	13156.9	68.	1.050	32807.	31.24	1.67	193.	33000.
POLAND	79 926	4446N	12431W	27874.5	43934.6	12809.3	101.	1.833	57190.	31.19	2.04	10.	57200.
POLAND	801022	4448N	12432W	27895.4	43934.6	12793.3	96.	1.583	49113.	31.02	1.67	167.	49280.
POLAND	80 920	4436N	12437W	27873.3	43934.9	12879.5	93.	1.417	38087.	30.98	1.76	113.	44000.
USSR	78 823	4355N	12436W	27810.5	43931.8	13243.2	77.	1.000	30800.	30.80	1.48	0.	30800.
POLAND	80 829	4400N	12458W	27778.8	43930.0	13200.8	93.	0.500	15393.	30.79	1.25	7.	15400.
USSR	79 819	4410N	12432W	27941.8	43934.0	13114.4	60.	1.000	30731.	30.73	2.02	69.	30800.
USSR	78 821	4419N	12452W	27819.5	43933.4	13043.1	98.	0.500	15312.	30.62	1.67	88.	15400.
POLAND	79 829	4427N	12425W	27877.8	43934.9	12967.1	33.	0.833	25513.	30.62	1.89	7.	25520.
POLAND	781018	4416N	12455W	27809.7	43932.9	13068.6	137.	1.083	32988.	30.45	1.72	12.	33000.
USSR	79 930	4401N	12456W	27784.0	43930.5	13192.5	109.	1.083	32949.	30.41	2.00	51.	33000.
USSR	79 819	4411N	12436W	27835.9	43933.8	13108.6	44.	1.083	32919.	30.39	2.20	81.	33000.
POLAND	80 925	4405N	12434W	27930.3	43933.3	13157.5	71.	1.083	32912.	30.38	1.79	88.	33000.
USSR	79 831	4357N	12446W	27791.7	43930.7	13225.8	60.	1.083	32891.	30.36	2.05	109.	33000.
USSR	7910 8	4719N	12445W	28026.1	43910.4	11774.4	175.	0.417	12645.	30.35	2.29	555.	13200.
USSR	78 9 7	4315N	12455W	27702.7	43917.0	13575.0	104.	1.083	32814.	30.29	1.52	186.	33000.
USSR	78 825	4344N	12434W	27795.9	43930.1	13338.0	82.	0.583	17596.	30.16	1.52	4.	17600.
POLAND	8010 7	4451N	12430W	27902.8	43934.3	12767.0	120.	1.000	30149.	30.15	1.74	211.	30360.
USSR	79 924	4411N	12452W	27807.1	43932.5	13109.2	49.	1.167	35082.	30.07	1.89	118.	35200.
POLAND	80 9 4	4335N	12439W	27770.5	43927.2	13413.9	74.	1.500	44858.	29.91	1.83	22.	44880.
USSR	78 818	4357N	12435W	27815.7	43932.2	13226.1	71.	0.917	27341.	29.83	1.59	379.	27720.
USSR	7910 8	4724N	12447W	28027.2	43909.7	11753.6	164.	1.000	29771.	29.77	2.29	1469.	31240.
POLAND	78 913	4349N	12436W	27300.6	43930.8	13294.7	115.	2.217	65911.	29.73	1.58	89.	66000.
POLAND	80 916	4305N	12450W	27691.9	43913.8	13661.5	150.	1.083	32097.	29.63	1.25	903.	33000.
POLAND	78 9 9	4354N	12443W	27795.9	43930.8	13251.3	142.	0.750	21989.	29.32	1.49	11.	22000.
USSR	79 9 1	4402N	12503W	27773.4	43929.7	13184.5	82.	0.750	21952.	29.27	1.89	48.	22000.
POLAND	80 9 3	4431N	12434W	27858.9	43934.9	12936.6	55.	0.750	21952.	29.27	1.87	48.	22000.
USSR	78 923	4407N	12456W	27793.7	43931.5	13142.9	71.	1.500	43903.	29.27	1.58	97.	44000.
POLAND	7810 3	4535N	12427W	27959.1	43929.1	12411.1	120.	1.500	43853.	29.24	1.65	147.	44000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING				BYCATCH (LBS)	TOTAL CATCH (LBS)	
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR			SIZE LBS/FISH
USSR	79 824	4419N	12428W	27262.6	43934.7	13036.4	49.	0.833	24332.	29.20	2.13	88.	24420.
POLAND	78 926	4720N	12445W	28026.8	43910.2	11769.4	93.	1.167	33938.	29.09	1.80	162.	34100.
POLAND	78 826	4419N	12436W	27848.0	43934.4	13038.6	61.	0.900	26140.	29.04	1.72	260.	26400.
USSR	77 819	4359N	12459W	27775.4	43929.7	13209.0	82.	0.833	24202.	29.04	1.49	42.	24244.
USSR	79 9 4	4352N	12431W	27815.1	43931.9	13269.4	82.	1.417	41080.	29.00	2.00	280.	41360.
POLAND	80 823	4427N	12443W	27847.2	43934.5	12973.8	87.	1.750	50567.	28.90	2.16	33.	50600.
POLAND	731029	4345N	12431W	27803.4	43930.7	13350.0	93.	0.750	21666.	28.89	1.78	334.	22000.
POLAND	79 829	4409N	12459W	27791.7	43931.5	13126.8	112.	0.833	23959.	28.75	1.96	21.	23980.
POLAND	80 916	4401N	12458W	27780.5	43930.2	13192.5	126.	2.667	76582.	28.72	1.19	418.	77000.
USSR	79 918	4418N	12453W	27816.2	43933.3	13051.6	109.	0.833	23847.	28.62	2.26	3653.	27500.
POLAND	80 920	4430N	12435W	27860.3	43934.8	12946.7	98.	0.917	26228.	28.61	1.78	172.	26400.
POLAND	80 822	4417N	12452W	27816.4	43933.2	13059.6	104.	1.750	50024.	28.59	1.80	576.	50600.
USSR	79 9 4	4350N	12432W	27809.9	43931.5	13286.6	60.	1.000	28571.	28.57	1.74	29.	28600.
POLAND	79 830	4405N	12459W	27785.3	43930.8	13159.6	112.	2.750	78304.	29.47	1.85	16.	78320.
POLAND	781016	4437N	12439W	27868.4	43934.9	12888.9	98.	1.000	28445.	28.45	1.75	155.	28600.
POLAND	801016	4435N	12435W	27872.7	43934.9	12903.5	115.	1.583	44764.	28.27	1.78	116.	44880.
USSR	79 921	4311N	12449W	27795.9	43916.8	13612.1	109.	0.833	23520.	29.22	1.03	20.	23540.
USSR	79 911	4459N	12425W	27921.5	43935.4	12696.8	120.	1.167	32927.	28.22	2.00	73.	33000.
POLAND	79 824	4413N	12427W	27855.7	43934.4	13087.8	41.	1.500	42314.	28.21	1.94	1686.	44000.
USSR	79 9 3	4303N	12502W	27665.6	43909.4	13669.2	191.	1.083	30542.	28.19	1.56	258.	30800.
USSR	79 829	4309N	12510W	27663.8	43910.1	13614.9	153.	1.333	37522.	28.14	1.56	98.	37620.
POLAND	78 9 7	4329N	12440W	27757.7	43925.4	13464.7	213.	1.250	35149.	28.12	1.44	51.	35200.
POLAND	8010 5	4309N	12450W	27700.0	43915.6	13628.2	153.	1.417	39715.	28.03	1.61	105.	39820.
POLAND	781015	4432N	12435W	27868.5	43934.9	12928.6	82.	1.500	41999.	28.00	1.76	901.	42900.
POLAND	77 826	4436N	12447W	27953.1	43934.8	12901.3	164.	2.333	65305.	27.99	1.58	255.	65560.
USSR	78 823	4353N	12433W	27812.9	43931.8	13260.6	90.	1.333	37166.	27.87	1.45	234.	37400.
USSR	78 820	4349N	12434W	27804.4	43931.1	13294.9	77.	1.333	37071.	27.80	1.43	329.	37400.
POLAND	80 823	4419N	12449W	27824.7	43933.6	13042.3	87.	1.500	41674.	27.78	1.98	126.	41800.
USSR	77 916	4438N	12435W	27876.8	43934.9	12878.4	55.	1.000	27728.	27.73	1.80	234.	27962.
POLAND	80 9 2	4428N	12435W	27862.9	43934.8	12962.3	71.	0.333	9234.	27.70	1.89	34766.	44000.
POLAND	80 912	4708N	12438W	26027.0	43911.4	11817.3	41.	1.583	43800.	27.66	2.16	200.	44000.
POLAND	781025	4537N	12431W	27954.8	43929.3	12401.1	126.	1.333	35871.	27.65	1.81	89.	36960.
USSR	78 818	4435N	12429W	27883.4	43934.9	12900.4	52.	0.667	18194.	27.29	1.69	506.	18700.
POLAND	7310 5	4729N	12451W	26025.8	43909.5	11737.6	85.	1.750	47692.	27.25	1.96	268.	47960.
USSR	78 817	4420N	12452W	27821.0	43933.5	13034.8	101.	0.667	18146.	27.22	1.69	1214.	19360.
POLAND	80 828	4426N	12445W	27842.2	43934.4	12982.9	109.	1.000	27081.	27.08	1.94	419.	27500.
POLAND	801016	4456N	12426W	27916.1	43933.8	12722.5	115.	1.583	42833.	27.05	2.20	287.	43120.
USSR	7910 3	4717N	12450W	28018.0	43912.2	11794.6	71.	1.667	44964.	26.98	2.17	136.	45100.
POLAND	80 822	4415N	12455W	27808.1	43932.7	13076.8	109.	1.583	42361.	26.75	1.84	1639.	44000.
USSR	79 831	4304N	12509W	27655.3	43907.8	13656.0	169.	2.500	66534.	26.61	1.36	566.	67100.
POLAND	80 9 7	4436N	12437W	27870.5	43934.9	12396.1	87.	1.333	35405.	26.55	1.76	41595.	77000.
USSR	77 816	4410N	12432W	27841.8	43934.0	13114.4	38.	1.667	44000.	26.40	1.41	33.	44033.
USSR	78 923	4406N	12456W	27792.1	43931.3	13151.1	104.	0.833	22000.	26.40	1.56	0.	22000.
USSR	79 9 2	4437N	12437W	27871.9	43934.9	12887.8	93.	0.417	11000.	26.40	1.99	0.	11000.
USSR	78 927	4410N	12457W	27796.8	43931.9	13118.3	98.	1.250	33000.	26.40	1.67	0.	33000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE			APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
	YYMMDD	LAT	LONG	9X	9Y	9Z	DEPTH (FMS)	HOURS TRAILED					
USSR	77 9 7	4333N	12439W	27766.9	43926.7	13431.0	219.	1.667	44000.	26.40	1.48	0.	44000.
USSR	77 9 10	4309N	12446W	27703.8	43916.2	13629.5	137.	1.667	43979.	26.39	1.91	21.	44000.
POLAND	80 9 7	4445N	12436W	27894.5	43934.8	12820.8	131.	1.667	43970.	26.38	1.91	30.	44000.
USSR	78 9 5	4354N	12450W	27733.1	43929.9	13250.8	109.	1.250	32966.	26.37	1.56	34.	33000.
POLAND	79 8 29	4424N	12425W	27375.4	43934.9	12992.5	31.	1.167	30759.	26.36	1.94	41.	30800.
USSR	78 9 13	4354N	12452W	27779.5	43929.6	13250.7	109.	1.500	39545.	26.36	1.70	55.	39600.
POLAND	79 8 31	4402N	12456W	27785.6	43930.7	13184.2	90.	2.000	52723.	26.36	1.81	77.	52800.
USSR	78 10 1	4401N	12453W	27789.3	43930.8	13192.4	33.	1.250	32947.	26.36	2.52	53.	33000.
USSR	78 10 15	4430N	12438W	27950.3	43934.8	12946.7	98.	1.250	32937.	26.35	1.61	63.	33000.
POLAND	78 9 23	4550N	12429W	27971.4	43926.9	12300.8	87.	1.250	32910.	26.33	1.66	90.	33000.
POLAND	80 9 17	4340N	12437W	27783.2	43928.8	13371.7	112.	1.000	26311.	26.31	1.25	89.	26400.
USSR	79 9 1	4352N	12435W	27817.3	43932.4	13217.5	93.	0.833	21919.	26.30	1.87	81.	22000.
USSR	79 9 22	4451N	12424W	27913.3	43934.0	12762.6	60.	1.250	32868.	26.29	1.91	132.	33000.
USSR	79 9 7	4352N	12433W	27811.3	43931.7	13269.2	93.	0.833	21910.	26.29	1.78	90.	22000.
POLAND	80 9 11	4709N	12440W	28925.1	43911.7	11816.0	38.	1.000	26269.	26.27	2.02	131.	26400.
USSR	79 9 10	4728N	12451W	28025.1	43909.7	11742.3	109.	1.250	32814.	26.25	2.22	186.	33000.
USSR	79 8 29	4310N	12447W	27707.7	43916.9	13621.8	134.	1.500	39344.	26.23	1.58	256.	39600.
POLAND	78 9 21	4443N	12433W	27867.1	43934.8	12835.5	109.	0.583	15223.	26.10	1.85	177.	15400.
USSR	79 10 5	4400N	12447W	27798.4	43931.4	13200.6	49.	1.417	36810.	25.98	1.87	150.	36960.
USSR	78 8 22	4347N	12433W	27802.9	43930.8	13312.3	77.	1.250	32474.	25.98	1.52	526.	33000.
POLAND	80 8 29	4355N	12456W	27774.0	43929.3	13242.2	120.	1.583	41130.	25.98	1.75	9470.	50600.
USSR	79 9 6	4301N	12453W	27678.0	43911.0	13692.5	175.	0.667	17272.	25.91	1.74	328.	17600.
USSR	77 8 21	4359N	12456W	27760.7	43930.1	13209.0	109.	1.250	32162.	25.73	1.72	35.	32190.
POLAND	80 8 31	4422N	12425W	27872.5	43934.8	13009.7	46.	0.917	23502.	25.64	1.87	38.	23540.
USSR	79 9 10	4407N	12453W	27799.0	43931.8	13142.5	66.	1.333	34062.	25.55	1.78	38.	34100.
POLAND	77 8 16	4355N	12435W	27812.4	43931.9	13243.3	82.	2.583	65854.	25.49	1.54	146.	66000.
POLAND	79 8 29	4412N	12426W	27856.0	43934.4	13096.2	25.	2.083	52792.	25.34	1.98	6338.	59180.
POLAND	80 10 15	4308N	12451W	27679.6	43911.1	13702.4	120.	2.167	54877.	25.33	1.65	343.	55220.
USSR	79 8 16	4403N	12431W	27840.6	43933.8	13131.5	60.	1.000	25294.	25.29	2.07	6.	25300.
POLAND	78 10 29	4339N	12432W	27791.1	43929.3	13381.6	87.	1.167	29427.	25.22	1.70	273.	29700.
POLAND	79 8 31	4356N	12454W	27779.2	43929.6	13233.9	87.	2.667	67164.	25.19	1.80	156.	67320.
POLAND	78 10 13	4444N	12431W	27891.9	43934.7	12825.9	87.	1.083	27263.	25.17	1.79	17.	27280.
POLAND	78 8 22	4403N	12427W	27848.1	43934.1	13131.0	60.	1.750	43774.	25.01	1.55	226.	44000.
POLAND	80 9 12	4715N	12439W	26031.0	43909.9	11782.5	49.	1.250	31264.	25.01	2.10	1736.	33000.
USSR	79 9 10	4430N	12443W	27851.5	43934.7	12948.9	109.	1.500	37356.	24.90	1.91	44.	37400.
USSR	79 8 30	4356N	12435W	27814.1	43932.1	13234.7	109.	1.333	32970.	24.73	1.99	30.	33000.
USSR	79 8 24	4415N	12428W	27856.8	43934.5	13070.7	33.	1.333	32967.	24.73	2.02	33.	33000.
USSR	78 9 8	4406N	12456W	27788.6	43931.1	13151.3	82.	1.333	32948.	24.71	1.58	52.	33000.
POLAND	80 9 4	4353N	12429W	27823.8	43932.5	13243.6	41.	2.667	65815.	24.68	1.72	185.	66000.
POLAND	78 10 16	4440N	12439W	27872.5	43934.9	12864.0	153.	1.333	32907.	24.68	1.65	93.	33000.
USSR	79 9 19	4436N	12436W	27872.3	43934.9	12895.6	77.	1.333	32896.	24.67	2.17	104.	33000.
POLAND	80 10 10	4407N	12457W	27792.0	43931.4	13143.0	87.	1.167	28549.	24.47	1.78	51.	28600.
POLAND	78 9 6	4347N	12433W	27802.9	43930.8	13312.3	109.	1.083	26394.	24.36	1.38	6.	26400.
USSR	78 8 16	4436N	12423W	27869.3	43934.8	12874.5	52.	0.750	18245.	24.33	1.62	15.	18260.
USSR	78 8 29	4354N	12443W	27795.9	43930.8	13251.3	93.	0.917	22000.	24.00	1.59	0.	22000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE		LAT	LONG	APPROX LORAN-C PULSE RATES			DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
	YYMMDD				9X	9Y	9Z							
POLAND	7810	6	4722N	12447W	28025.7	43910.2	11763.5	79.	0.583	13970.	23.95	2.06	9350.	23320.
PJLAND	78	923	4550N	12429W	27971.4	43926.8	12300.8	93.	0.917	21949.	23.94	1.74	51.	22000.
POLAND	7810	25	4526N	12425W	27952.7	43930.2	12478.6	166.	1.083	25934.	23.94	1.91	466.	26400.
POLAND	8010	18	4451N	12429W	27904.5	43934.3	12766.3	98.	1.167	27898.	23.91	1.25	42.	27940.
POLAND	7810	1	4452N	12424W	27914.6	43933.9	12754.3	82.	0.917	21908.	23.90	1.89	92.	22000.
USSR	78	825	4356N	12443W	27799.2	43931.2	13234.4	109.	2.250	53695.	23.86	1.61	1305.	55000.
USSR	77	821	4410N	12428W	27849.3	43934.2	13113.8	137.	0.583	13921.	23.86	1.73	19079.	33000.
USSR	78	825	4346N	12434W	27799.3	43930.5	13320.8	107.	1.833	43708.	23.84	1.65	292.	44000.
USSR	78	822	4354N	12435W	27810.8	43931.6	13251.9	93.	1.167	27767.	23.80	1.51	833.	28600.
POLAND	7810	29	4345N	12431W	27803.4	43930.7	13330.0	93.	2.250	53549.	23.80	1.74	1451.	55000.
USSR	77	916	4436N	12433W	27880.3	43934.9	12877.3	82.	0.750	17738.	23.65	1.87	27.	17765.
USSR	79	912	4457N	12423W	27913.8	43933.8	12715.9	159.	1.583	37379.	23.61	2.01	21.	37400.
POLAND	78	824	4355N	12427W	27827.7	43932.7	13243.7	66.	2.000	47093.	23.55	1.55	1307.	48400.
USSR	79	930	4436N	12435W	27874.1	43934.9	12895.1	66.	2.333	54862.	23.51	1.98	138.	55000.
USSR	78	821	4353N	12431W	27816.7	43932.1	13260.3	79.	1.667	39178.	23.51	1.50	422.	39600.
POLAND	7810	18	4413N	12453W	27816.2	43933.3	13051.6	120.	0.750	17596.	23.46	1.63	4.	17600.
POLAND	79	829	4425N	12426W	27875.0	43934.9	12984.3	38.	0.750	17587.	23.45	1.97	13.	17600.
POLAND	78	922	4526N	12416W	27954.4	43929.2	12470.1	104.	0.750	17571.	23.43	1.73	29.	17600.
POLAND	80	822	4423N	12448W	27852.5	43934.1	13008.8	98.	1.583	36896.	23.30	1.84	504.	37400.
USSR	79	924	4339N	12435W	27785.3	43928.9	13380.8	159.	2.667	62117.	23.29	2.00	143.	62260.
USSR	79	929	4440N	12434W	27821.3	43934.9	12861.1	77.	2.333	54336.	23.29	2.09	664.	55000.
USSR	78	910	4402N	12456W	27785.6	43930.7	13184.2	93.	1.417	32980.	23.28	1.63	20.	33000.
USSR	77	831	4345N	12434W	27797.6	43930.3	13329.4	93.	1.417	32898.	23.22	1.55	102.	33000.
POLAND	7810	6	4722N	12444W	28029.7	43909.4	11757.4	66.	2.250	51629.	22.95	1.89	291.	51920.
USSR	77	911	4309N	12443W	27703.8	43916.2	13629.5	153.	1.917	43912.	22.91	1.91	88.	44000.
POLAND	80	9	4431N	12435W	27857.1	43934.9	12937.0	96.	0.750	17129.	22.84	1.91	31.	17160.
USSR	78	928	4406N	12453W	27791.8	43931.4	13134.9	109.	1.167	26363.	22.60	1.80	37.	26400.
USSR	7810	23	4413N	12456W	27803.3	43932.4	13093.4	71.	1.167	26335.	22.57	1.67	65.	26400.
POLAND	7810	6	4722N	12446W	28027.0	43909.9	11761.4	87.	1.917	43175.	22.53	2.05	825.	44000.
USSR	79	921	4439N	12447W	27857.3	43934.8	12876.7	197.	1.667	37341.	22.40	1.94	59.	37400.
POLAND	78	9	4400N	12435W	27824.3	43932.8	13200.4	63.	1.667	37340.	22.40	1.66	60.	37400.
USSR	77	9	4350N	12438W	27798.5	43930.7	13285.8	154.	1.667	37186.	22.31	1.66	214.	37400.
POLAND	80	9	4417N	12450W	27819.9	43933.4	13059.1	98.	2.750	61257.	22.28	1.69	343.	61600.
USSR	79	923	4407N	12456W	27793.7	43931.5	13142.9	180.	1.667	37018.	22.21	1.58	162.	37180.
USSR	79	919	4420N	12456W	27814.1	43935.2	13035.0	82.	0.833	18477.	22.17	1.94	3.	18480.
POLAND	78	912	4355N	12436W	27810.5	43931.8	13243.2	93.	1.833	40608.	22.15	1.52	92.	40700.
USSR	79	829	4356N	12434W	27815.9	43932.2	13234.7	82.	2.500	54982.	21.99	1.96	18.	55000.
USSR	78	827	4354N	12437W	27807.0	43931.5	13251.7	142.	1.500	32977.	21.98	1.43	23.	33000.
USSR	78	829	4357N	12457W	27775.6	43929.6	13225.6	98.	1.583	34801.	21.98	1.54	399.	35200.
POLAND	79	922	4452N	12424W	27914.6	43933.9	12754.3	77.	3.000	65903.	21.97	2.03	97.	66000.
USSR	77	915	4440N	12435W	27879.5	43934.9	12861.7	109.	1.000	21967.	21.97	2.24	33.	22000.
USSR	79	9	4311N	12453W	27698.5	43915.7	13609.5	131.	1.500	32950.	21.97	1.76	50.	33000.
USSR	79	820	4403N	12431W	27832.8	43933.4	13174.5	27.	1.500	32940.	21.96	1.98	60.	33000.
POLAND	77	816	4358N	12434W	27819.2	43932.5	13217.6	104.	2.000	43903.	21.95	1.58	97.	44000.
USSR	79	9	4402N	12502W	27775.1	43929.9	13184.5	109.	1.000	21951.	21.95	1.79	50.	22000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE		APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)	
	YYMMDD	LAT	LONG	9X	9Y								9Z
USSR	79 9 5	4356N	12446W	27793.7	43930.8	13234.3	66.	1.000	21941.	21.94	1.76	59.	22000.
USSR	79 9 11	4356N	12451W	27784.5	43930.2	13234.1	77.	1.000	21939.	21.94	1.83	61.	22000.
USSR	78 9 7	4315N	12456W	27790.9	43916.7	13574.4	104.	1.000	21934.	21.93	1.58	66.	22000.
USSR	79 9 25	4347N	12434W	27801.0	43930.7	13312.2	137.	2.000	43867.	21.93	1.87	133.	44000.
USSR	78 8 23	4351N	12431W	27813.4	43931.7	13278.1	90.	1.500	32880.	21.92	1.72	120.	33000.
POLAND	78 9 9	4355N	12440W	27803.1	43931.4	13243.0	126.	1.000	21869.	21.87	1.11	131.	22000.
POLAND	80 9 19	4406N	12457W	27790.4	43931.2	13151.2	109.	3.500	76450.	21.84	1.41	550.	77000.
USSR	78 8 17	4349N	12433W	27806.3	43931.2	13295.1	71.	1.667	36370.	21.82	1.59	7630.	44000.
USSR	78 9 3	4355N	12457W	27772.2	43929.1	13242.1	104.	1.000	21819.	21.82	1.63	181.	22000.
USSR	78 8 24	4357N	12439W	27808.2	43931.8	13226.0	77.	1.917	41800.	21.81	1.54	0.	41600.
POLAND	78 10 16	4435N	12430W	27881.6	43934.9	12900.9	82.	1.583	34526.	21.81	1.73	14.	34540.
POLAND	78 10 5	4725N	12457W	28015.0	43912.0	11768.8	93.	1.000	21798.	21.80	2.11	202.	22000.
USSR	79 10 7	4717N	12446W	28023.2	43911.2	11786.5	82.	0.583	12715.	21.80	2.31	3785.	16500.
USSR	78 9 3	4356N	12456W	27775.7	43929.5	13233.9	96.	1.500	32640.	21.76	1.61	360.	33000.
POLAND	78 8 21	4413N	12427W	27855.7	43934.4	13087.8	66.	1.517	32920.	21.71	1.63	80.	33000.
USSR	77 8 30	4357N	12451W	27786.3	43930.4	13225.7	82.	2.000	43318.	21.66	1.36	682.	44000.
USSR	79 9 13	4357N	12453W	27782.7	43930.1	13225.7	137.	0.500	10744.	21.49	1.98	36.	10780.
POLAND	79 9 26	4436N	12434W	27875.8	43934.9	12894.6	96.	2.667	57193.	21.45	2.04	7.	57200.
POLAND	78 10 6	4725N	12446W	28029.3	43909.2	11746.7	79.	1.083	23181.	21.40	1.92	799.	23980.
POLAND	78 8 25	4408N	12439W	27822.6	43933.0	13149.5	66.	1.533	32772.	21.37	1.67	228.	33000.
POLAND	78 9 28	4718N	12451W	28017.4	43912.2	11791.5	142.	0.500	10664.	21.33	1.75	336.	11000.
USSR	78 9 5	4355N	12442W	27799.4	43931.1	13242.9	66.	0.500	10651.	21.30	1.52	349.	11000.
USSR	78 9 28	4407N	12457W	27792.0	43931.4	13143.0	104.	1.500	31870.	21.25	1.80	1130.	33000.
POLAND	79 8 18	4354N	12436W	27808.9	43931.7	13251.8	74.	1.000	21230.	21.23	2.16	770.	22000.
POLAND	78 8 29	4405N	12438W	27822.9	43933.0	13157.9	98.	2.583	54754.	21.20	1.52	246.	55000.
USSR	77 9 5	4349N	12443W	27787.4	43929.9	13293.7	109.	1.333	28227.	21.17	1.58	373.	28600.
USSR	79 8 29	4307N	12510W	27659.7	43909.1	13631.0	164.	1.750	37017.	21.15	1.67	3683.	40700.
USSR	78 10 23	4418N	12454W	27614.5	43933.2	13051.9	55.	1.833	38769.	21.15	1.75	831.	39600.
POLAND	78 10 21	4458N	12432W	27902.1	43934.0	12710.9	97.	3.250	68605.	21.11	1.59	35.	68640.
USSR	79 8 23	4404N	12429W	27838.1	43933.6	13165.7	60.	2.083	43969.	21.11	1.87	31.	44000.
POLAND	78 10 13	4449N	12427W	27905.5	43934.3	12761.5	79.	1.417	29891.	21.10	1.76	29.	29920.
POLAND	80 9 4	4401N	12432W	27827.8	43933.0	13191.8	79.	2.083	43941.	21.09	1.72	939.	44880.
POLAND	73 9 15	4345N	12432W	27801.4	43930.6	13329.8	93.	0.667	14054.	21.08	1.55	26.	14080.
USSR	79 9 10	4409N	12454W	27800.0	43932.0	13126.1	56.	0.833	17567.	21.08	1.89	33.	17600.
POLAND	78 10 5	4729N	12451W	28025.8	43909.5	11737.6	79.	1.083	22789.	21.04	1.94	311.	23100.
USSR	79 10 3	4717N	12451W	28016.6	43912.5	11796.6	93.	1.000	21029.	21.03	2.24	531.	21560.
USSR	79 9 26	4309N	12501W	27679.8	43912.7	13620.8	148.	1.250	26266.	21.01	0.87	134.	26400.
USSR	79 9 26	4438N	12439W	27869.8	43934.9	12880.6	148.	0.583	12253.	21.00	2.13	67.	12320.
USSR	77 8 20	4357N	12457W	27775.6	43929.6	13225.6	77.	0.833	17490.	20.99	1.71	110.	17600.
USSR	78 10 22	4413N	12456W	27803.3	43932.4	13093.4	109.	0.833	17477.	20.97	1.61	123.	17600.
POLAND	77 10 18	4527N	12429W	27947.2	43930.6	12475.6	208.	2.583	54108.	20.94	1.91	232.	54340.
POLAND	80 8 28	4420N	12448W	27820.0	43933.8	13033.7	87.	2.000	41746.	20.87	1.80	2254.	44000.
USSR	78 8 27	4356N	12446W	27793.7	43930.8	13234.3	82.	1.583	33000.	20.84	1.54	0.	33000.
USSR	79 9 5	4422N	12450W	27827.5	43933.9	13017.7	219.	1.583	32972.	20.82	1.92	28.	33000.
USSR	78 10 10	4444N	12435W	27894.9	43934.8	12828.5	82.	1.583	32921.	20.79	1.80	79.	33000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
POLAND	78 823	4359N	12428W	27832.2	43933.2	13209.0	66.	1.583	32906.	20.78	1.58	94.	33000.
POLAND	80 829	4427N	12445W	27843.7	43934.5	12974.6	123.	1.333	27693.	20.77	1.83	27.	27720.
POLAND	78 924	4555N	12430W	27974.8	43923.1	12265.7	96.	1.583	32880.	20.77	1.74	120.	33000.
USSR	77 825	4404N	12412W	27871.0	43934.6	13164.6	55.	1.333	27682.	20.76	1.63	6600.	34283.
USSR	77 831	4410N	12433W	27839.9	43933.9	13114.6	38.	1.417	29345.	20.71	1.85	2207.	31552.
USSR	79 926	4311N	12449W	27705.9	43916.8	13612.1	120.	1.667	34476.	20.69	0.95	1384.	35860.
POLAND	781014	4443N	12437W	27980.1	43934.9	12838.0	109.	1.833	37803.	20.62	1.69	37.	37840.
POLAND	781030	4346N	12431W	27805.1	43930.9	13321.3	71.	1.750	36034.	20.59	1.66	46.	36080.
POLAND	8010 5	4303N	12453W	27832.1	43912.0	13675.9	159.	2.250	46322.	20.59	1.63	98.	46420.
POLAND	78 820	4412N	12426W	27956.0	43934.4	13096.2	68.	2.667	54832.	20.56	1.58	168.	55000.
POLAND	781011	4501N	12423W	27927.4	43933.1	12678.6	104.	1.500	30788.	20.53	1.67	12.	30800.
POLAND	77 830	4455N	12433W	27902.6	43934.2	12736.3	93.	2.250	46100.	20.49	1.52	100.	46200.
USSR	78 823	4345N	12432W	27801.4	43930.6	13329.8	79.	1.500	30714.	20.48	1.63	2286.	33000.
USSR	78 822	4403N	12430W	27834.7	43933.4	13174.4	71.	1.833	37338.	20.37	1.72	62.	37400.
USSR	79 927	4436N	12438W	27868.8	43934.9	12896.7	153.	1.167	23705.	20.32	1.91	55.	23760.
USSR	79 830	4356N	12450W	27786.4	43930.3	13234.1	87.	2.167	43989.	20.30	1.83	11.	44000.
USSR	7810 3	4422N	12447W	27832.8	43932.0	13016.8	93.	2.167	43983.	20.30	1.59	17.	44000.
USSR	79 829	4356N	12433W	27817.8	43932.3	13234.8	82.	1.750	35509.	20.29	1.96	8271.	43780.
POLAND	7810 9	4729N	12454W	28022.0	43910.3	11743.6	112.	1.250	25357.	20.29	1.94	1043.	26400.
USSR	78 9 8	4410N	12459W	27773.3	43931.6	13118.6	109.	1.083	21974.	20.28	1.58	26.	22000.
POLAND	77 817	4356N	12456W	27775.7	43929.5	13233.9	109.	3.250	65891.	20.27	1.54	109.	66000.
POLAND	80 918	4356N	12457W	27773.9	43929.3	13233.8	120.	3.250	65675.	20.21	1.24	325.	66000.
POLAND	79 926	4444N	12435W	27884.9	43934.8	12828.5	78.	2.167	43761.	20.20	2.09	19.	43780.
POLAND	78 912	4402N	12437W	27820.0	43932.7	13183.4	93.	1.500	30290.	20.19	1.53	9310.	39600.
USSR	78 824	4355N	12442W	27799.4	43931.1	13242.9	77.	1.583	31814.	20.09	1.56	1186.	33000.
USSR	77 825	4437N	12450W	27849.3	43934.7	12894.6	208.	2.167	43490.	20.07	2.07	510.	44000.
USSR	79 820	4410N	12433W	27839.9	43933.9	13114.6	36.	1.083	21606.	19.94	1.94	394.	22000.
USSR	79 830	4310N	12447W	27707.7	43916.9	13621.8	131.	1.667	33048.	19.83	1.36	172.	33220.
USSR	77 817	4330N	12439W	27761.4	43925.8	13456.6	71.	1.667	33000.	19.80	1.45	0.	33000.
USSR	78 818	4346N	12437W	27793.6	43930.1	13320.2	82.	1.333	26399.	19.80	1.54	1.	26400.
POLAND	78 912	4404N	12457W	27787.1	43930.9	13167.7	153.	1.000	19799.	19.80	1.55	441.	20240.
USSR	78 827	4353N	12442W	27796.0	43930.8	13259.9	145.	1.667	32989.	19.79	1.47	11.	33000.
USSR	79 928	4346N	12433W	27801.2	43930.6	13321.0	87.	1.333	26375.	19.78	2.00	25.	26400.
USSR	79 920	4419N	12455W	27814.3	43933.2	13043.9	154.	2.000	39554.	19.78	1.85	46.	39600.
USSR	78 921	4408N	12456W	27795.3	43931.7	13134.6	82.	1.667	32953.	19.77	3.08	47.	33000.
USSR	79 818	4407N	12430W	27840.9	43933.8	13140.0	50.	1.500	29642.	19.76	2.05	58.	29700.
USSR	79 823	4310N	12447W	27707.7	43916.9	13621.8	120.	1.667	32927.	19.76	1.65	73.	33000.
USSR	7810 2	4421N	12452W	27822.5	43933.6	13026.6	87.	1.333	26334.	19.75	1.56	66.	26400.
USSR	77 829	4355N	12435W	27812.4	43931.9	13243.3	246.	1.667	32867.	19.72	1.58	133.	33000.
POLAND	78 9 8	4314N	12445W	27719.5	43919.0	13569.4	186.	1.333	26250.	19.69	1.48	150.	26400.
USSR	78 816	4408N	12456W	27795.3	43931.7	13134.6	98.	1.333	26145.	19.61	1.67	255.	26400.
USSR	77 831	4403N	12439W	27917.9	43932.7	13174.9	44.	0.833	16322.	19.59	1.78	24.	16346.
POLAND	79 921	4446N	12424W	27906.9	43934.3	12804.6	60.	2.250	43970.	19.54	2.03	30.	44000.
USSR	79 9 4	4356N	12445W	27795.5	43930.9	13234.3	98.	2.250	43962.	19.54	2.02	39.	44000.
POLAND	801012	4307N	12447W	27701.7	43915.6	13647.0	107.	0.917	17888.	19.51	1.30	152.	18040.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
POLAND	80 823	4424N	12445W	27839.3	43934.3	12999.5	71.	2.167	42125.	19.44	1.89	1875.	44000.
POLAND	801017	4434N	12437W	27867.7	43934.9	12912.8	115.	2.833	55018.	19.42	1.78	642.	55660.
POLAND	80 829	4401N	12457W	27782.2	43930.3	13192.5	120.	1.563	30708.	19.39	1.48	92.	30800.
USSR	79 820	4409N	12436W	27832.8	43933.6	13123.6	44.	2.250	43559.	19.36	2.13	441.	44000.
POLAND	79 823	4412N	12425W	27857.9	43934.5	13096.0	55.	1.333	25780.	19.33	1.91	180.	25960.
POLAND	80 910	4720N	12443W	28029.5	43909.6	11765.3	60.	2.500	48306.	19.32	2.10	94.	48400.
POLAND	781026	4345N	12431W	27803.4	43930.7	13330.0	71.	1.500	28942.	19.29	1.76	98.	29040.
USSR	79 917	4301N	12452W	27679.9	43911.3	13693.3	153.	1.167	22509.	19.29	1.72	151.	22660.
USSR	78 827	4357N	12457W	27775.6	43929.6	13225.6	109.	2.250	43385.	19.28	1.63	615.	44000.
POLAND	8010 4	4313N	12451W	27706.2	43917.1	13594.1	153.	2.167	41751.	19.27	1.61	49.	41800.
USSR	77 820	4345N	12457W	27756.8	43927.0	13316.7	93.	0.833	16049.	19.26	1.50	11.	16060.
USSR	78 823	4344N	12432W	27799.7	43930.4	13338.4	82.	1.333	25631.	19.22	1.56	769.	26400.
USSR	79 827	4413N	12429W	27851.9	43934.3	13088.2	38.	0.917	17597.	19.20	1.96	3.	17600.
POLAND	801010	4306N	12453W	27688.3	43913.5	13651.0	139.	2.000	38368.	19.18	1.36	352.	38720.
USSR	77 810	4318N	12468W	27725.4	43920.4	13555.1	164.	1.250	23973.	19.18	1.63	458.	24431.
POLAND	77 816	4355N	12457W	27772.2	43929.1	13242.1	164.	1.583	30221.	19.09	1.58	139.	30360.
USSR	78 819	4345N	12435W	27795.7	43930.2	13329.2	82.	1.333	25415.	19.06	1.50	985.	26400.
USSR	79 9 1	4352N	12447W	27795.2	43931.0	13217.4	55.	1.500	28501.	19.00	1.83	99.	28600.
USSR	79 930	4350N	12450W	27767.3	43929.1	13284.4	191.	2.833	53663.	18.94	1.94	677.	54340.
USSR	79 920	4310N	12501W	27681.8	43913.1	13612.6	246.	3.250	61509.	18.93	1.74	91.	61600.
POLAND	7810 8	4729N	12454W	28022.0	43910.3	11743.6	104.	2.250	42516.	18.90	1.98	384.	42900.
USSR	78 9 7	4416N	12455W	27809.7	43932.9	13068.6	82.	1.750	32992.	18.85	1.54	8.	33000.
POLAND	7910 2	4432N	12449W	27843.9	43934.6	12935.0	197.	0.917	12776.	18.85	1.83	324.	17600.
USSR	78 821	4356N	12434W	27915.9	43932.2	13234.7	77.	2.333	43948.	18.83	1.50	52.	44000.
USSR	78 821	4356N	12455W	27777.5	43929.6	13233.9	77.	0.667	12553.	18.83	1.47	6807.	19360.
USSR	79 9 1	4357N	12451W	27786.3	43930.4	13225.7	71.	1.167	21968.	18.83	1.85	32.	22000.
USSR	79 823	4351N	12434W	27807.7	43931.4	13277.7	87.	1.750	32943.	18.82	2.00	57.	33000.
USSR	78 826	4344N	12436W	27792.1	43929.8	13337.6	120.	1.750	32929.	18.82	1.52	72.	33000.
POLAND	80 9 1	4401N	12456W	27784.0	43930.5	13192.5	120.	1.750	32893.	18.80	1.41	107.	33000.
POLAND	78 9 1	4405N	12431W	27835.9	43933.6	13157.3	57.	1.750	32891.	18.79	1.64	103.	33000.
POLAND	781018	4421N	12453W	27820.8	43933.8	13026.9	137.	1.750	32887.	18.79	1.63	113.	33000.
USSR	7910 1	4311N	12502W	27622.0	43913.3	13603.7	219.	2.000	37583.	18.79	1.28	477.	38060.
POLAND	781024	4503N	12425W	27932.3	43932.5	12623.0	202.	1.167	21902.	18.77	1.65	98.	22000.
USSR	7810 2	4555N	12454W	27938.0	43929.7	12301.6	115.	1.750	32805.	18.75	1.58	195.	33000.
USSR	78 826	4355N	12436W	27810.5	43931.8	13243.2	98.	1.167	21824.	18.71	1.54	176.	22000.
USSR	77 819	4356N	12435W	27817.9	43932.3	13234.8	164.	1.500	28007.	18.67	1.59	593.	28600.
POLAND	78 913	4402N	12435W	27823.7	43932.9	13183.3	98.	1.167	21741.	18.64	1.55	259.	22000.
POLAND	781011	4454N	12428W	27910.1	43934.0	12740.7	126.	1.750	32595.	18.63	1.63	405.	33000.
USSR	77 913	4409N	12457W	27795.2	43931.7	13126.5	109.	1.417	26382.	18.62	2.00	18.	26400.
USSR	79 823	4413N	12508W	27675.4	43912.6	13583.7	137.	1.500	27931.	18.62	1.50	5729.	33660.
USSR	79 9 5	4419N	12455W	27814.3	43933.2	13043.9	82.	2.563	48088.	18.61	1.92	312.	48400.
POLAND	80 824	4410N	12458W	27795.0	43931.8	13118.4	126.	2.333	43384.	18.59	1.62	616.	44000.
USSR	79 927	4431N	12437W	27963.5	43934.8	12937.9	101.	1.500	27867.	18.58	2.07	73.	27940.
USSR	79 9 4	4357N	12445W	27797.2	43931.1	13225.9	55.	2.250	41775.	18.57	2.02	25.	41800.
USSR	77 914	4407N	12456W	27793.7	43931.5	13142.9	82.	1.167	21660.	18.57	1.69	50.	21710.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	78 915	4427N	12435W	27861.4	43934.3	12970.7	82.	1.500	27837.	18.56	1.63	763.	28600.
USSR	78 822	4352N	12430W	27817.0	43932.0	13269.5	49.	2.917	53904.	18.48	1.61	1096.	55000.
USSR	78 827	4355N	12444W	27795.7	43930.9	13242.8	90.	1.167	21547.	18.47	1.58	453.	22000.
USSR	78 827	4356N	12440W	27804.7	43931.5	13234.5	71.	1.417	26130.	18.44	1.50	270.	26400.
POLAND	781024	4516N	12422W	27946.6	43931.2	12555.0	191.	1.500	27656.	18.44	1.70	284.	27940.
POLAND	781016	4427N	12437W	27857.8	43934.7	12971.5	82.	1.833	33774.	18.42	1.82	1866.	35640.
POLAND	78 823	4353N	12429W	27820.6	43932.3	13261.0	66.	2.833	51989.	18.35	1.52	7411.	59400.
USSR	79 9 6	4300N	12453W	27675.9	43910.5	13700.8	109.	0.500	9144.	18.29	1.76	96.	9240.
POLAND	781027	4406N	12454W	27795.6	43931.6	13150.9	104.	1.167	21287.	13.25	1.65	53.	21340.
USSR	78 821	4348N	12432W	27806.5	43931.1	13303.9	66.	2.417	43966.	18.19	1.50	34.	44000.
USSR	79 819	4406N	12433W	27833.8	43933.5	13148.9	44.	2.417	43889.	19.16	2.05	111.	44000.
POLAND	781013	4433N	12439W	27862.8	43934.8	12922.1	142.	1.917	34807.	18.16	1.72	393.	35200.
USSR	78 929	4415N	12455W	27808.1	43932.7	13076.8	104.	1.750	31602.	18.06	1.65	1398.	33000.
USSR	79 820	4414N	12430W	27851.6	43934.4	13079.8	38.	1.667	30028.	18.02	1.94	112.	30140.
USSR	78 828	4410N	12453W	27795.0	43931.8	13118.4	126.	1.083	19483.	17.98	1.54	317.	19800.
POLAND	80 822	4455N	12422W	27921.8	43933.6	12727.6	79.	1.833	32948.	17.97	2.07	52.	33000.
POLAND	79 831	4354N	12453W	27777.7	43929.5	13250.6	98.	2.167	38871.	17.94	1.90	69.	38940.
USSR	77 826	4436N	12451W	27846.2	43934.7	12903.3	208.	1.833	32875.	17.93	1.83	125.	33000.
USSR	79 9 5	4356N	12440W	27804.7	43931.5	13234.5	55.	2.083	37303.	17.91	1.80	92.	37400.
POLAND	77 819	4353N	12455W	27772.4	43929.0	13258.8	16.	3.750	67086.	17.89	1.52	1334.	68420.
POLAND	78 819	4408N	12427W	27848.1	43934.1	13131.0	68.	3.067	54763.	17.86	1.63	237.	55000.
USSR	79 831	4357N	12435W	27815.7	43932.2	13226.1	71.	3.083	54965.	17.83	1.91	35.	55000.
USSR	78 821	4356N	12430W	27823.5	43932.6	13234.9	77.	1.833	32665.	17.82	1.69	335.	33000.
USSR	78 822	4347N	12435W	27799.1	43930.6	13312.0	98.	1.000	17600.	17.60	1.48	0.	17600.
USSR	78 817	4356N	12437W	27810.3	43931.9	13234.6	55.	1.750	30800.	17.60	1.58	0.	30800.
POLAND	79 9 7	4424N	12453W	27825.3	43933.8	13002.3	109.	0.750	13189.	17.59	1.83	11.	13200.
POLAND	77 9 6	4428N	12444W	27846.9	43934.5	12965.9	131.	1.250	21968.	17.57	1.67	32.	22000.
POLAND	8010 5	4408N	12456W	27795.3	43931.7	13134.6	137.	3.000	52713.	17.57	1.58	2287.	55000.
USSR	79 912	4500N	12426W	27921.0	43933.4	12689.4	137.	0.750	13177.	17.57	1.99	23.	13200.
USSR	78 929	4413N	12453W	27816.2	43933.3	13051.6	115.	1.250	21959.	17.57	2.84	41.	22000.
USSR	79 914	4448N	12425W	27907.7	43934.3	12788.5	55.	1.500	26346.	17.56	2.07	54.	26400.
POLAND	78 9 7	4325N	12441W	27748.3	43923.9	13498.4	169.	1.500	26345.	17.56	1.43	55.	26400.
POLAND	80 911	4418N	12455W	27816.2	43933.3	13051.6	120.	2.000	35096.	17.55	1.74	104.	35200.
POLAND	781014	4443N	12436W	27831.8	43934.8	12837.4	137.	1.500	26321.	17.55	1.74	79.	26400.
USSR	781023	4419N	12452W	27819.5	43933.4	13043.1	131.	1.250	21929.	17.54	1.72	71.	22000.
USSR	7810 4	4432N	12436W	27866.7	43934.9	12929.1	77.	1.250	21905.	17.52	1.61	95.	22000.
USSR	79 927	4306N	12501W	27673.6	43911.2	13645.4	219.	2.500	43798.	17.52	1.77	202.	44000.
USSR	78 818	4352N	12434W	27809.4	43931.6	13269.1	60.	1.000	17499.	17.50	1.47	101.	17600.
USSR	78 826	4355N	12445W	27792.0	43930.6	13242.7	82.	0.750	13122.	17.50	1.58	78.	13200.
POLAND	78 920	4355N	12447W	27790.2	43930.5	13242.6	142.	0.500	8729.	17.46	1.51	71.	8800.
USSR	78 829	4401N	12456W	27794.0	43930.5	13192.5	98.	1.500	26183.	17.45	1.54	217.	26400.
USSR	79 826	4439N	12437W	27874.6	43934.9	12871.2	109.	0.500	8726.	17.45	2.05	74.	8800.
USSR	781015	4443N	12435W	27893.6	43934.8	12836.8	98.	1.500	26150.	17.43	1.63	250.	26400.
POLAND	7810 4	4540N	12427W	27964.3	43928.3	12372.8	104.	1.250	21749.	17.40	1.98	251.	22000.
USSR	77 824	4354N	12432W	27816.5	43932.1	13252.1	55.	1.333	23181.	17.39	1.63	469.	23650.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING							TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)		
USSR	78 918	4431N	12435W	27367.1	43934.9	12937.0	79.	1.250	21701.	17.36	1.76	299.	22000.	
POLAND	7910 2	4433N	12449W	27847.1	43934.6	12926.4	230.	1.000	17338.	17.34	1.93	262.	17600.	
USSR	78 824	4406N	12429W	27841.3	43933.8	13148.5	68.	2.000	34566.	17.33	1.54	2734.	37400.	
USSR	79 815	4413N	12436W	27835.3	43933.8	13089.9	44.	1.917	33213.	17.33	2.24	7.	33220.	
USSR	78 929	4406N	12456W	27792.1	43931.3	13151.1	87.	1.000	17226.	17.23	1.69	374.	17600.	
USSR	78 817	4355N	12433W	27216.2	43932.1	13243.4	66.	1.917	33000.	17.22	1.50	0.	33000.	
USSR	78 910	4403N	12456W	27787.3	43930.8	13175.9	104.	1.917	33000.	17.22	1.63	0.	33000.	
USSR	79 823	4309N	12447W	27705.7	43916.4	13630.2	126.	1.917	32914.	17.17	1.63	86.	33000.	
POLAND	80 918	4358N	12457W	27777.2	43929.8	13217.3	120.	1.250	21462.	17.17	1.21	538.	22000.	
USSR	79 916	4414N	12450W	27825.3	43933.1	13034.0	109.	1.917	32904.	17.17	1.92	96.	33000.	
USSR	79 827	4423N	12427W	27820.3	43934.8	13001.8	33.	1.917	32866.	17.15	2.05	134.	33000.	
USSR	78 829	4401N	12445W	27803.7	43931.8	13192.1	37.	3.167	54272.	17.14	1.52	728.	55000.	
POLAND	801015	4453N	12427W	27910.6	43934.1	12748.2	55.	3.833	65694.	17.14	2.22	306.	66000.	
POLAND	8010 5	4410N	12456W	27798.5	43932.0	13118.1	104.	1.667	28545.	17.13	1.40	4455.	33000.	
POLAND	78 828	4402N	12437W	27820.0	43932.7	13183.4	98.	1.917	32824.	17.13	1.63	396.	33220.	
POLAND	80 910	4455N	12431W	27906.1	43934.1	12734.7	153.	1.917	32780.	17.10	1.94	220.	33000.	
POLAND	79 9 8	4442N	12423W	27903.6	43934.5	12837.8	55.	2.000	34020.	17.01	1.95	80.	34100.	
USSR	79 926	4442N	12430W	27891.0	43934.7	12842.1	44.	2.583	43854.	16.98	1.91	366.	44220.	
USSR	78 819	4354N	12432W	27816.5	43932.1	13252.1	55.	1.500	25368.	16.91	1.58	29632.	55000.	
USSR	78 818	4356N	12435W	27814.1	43932.1	13234.7	55.	2.083	35200.	16.90	1.51	0.	55200.	
POLAND	771019	4527N	12426W	27948.8	43930.5	12474.4	213.	2.583	43510.	16.84	1.75	490.	44000.	
USSR	77 818	4417N	12456W	27809.5	43932.9	13060.6	68.	1.417	23859.	16.84	1.58	341.	24200.	
POLAND	78 830	4410N	12429W	27847.4	43934.1	13114.0	77.	1.250	21048.	16.84	1.67	5352.	26400.	
POLAND	80 916	4310N	12451W	27700.2	43915.8	13619.1	150.	1.250	20910.	16.73	1.25	1090.	22000.	
USSR	78 824	4354N	12432W	27816.5	43932.1	13252.1	77.	1.917	32059.	16.73	1.52	941.	33000.	
USSR	78 824	4351N	12433W	27809.6	43931.5	13277.8	77.	1.917	31985.	16.69	1.54	1015.	33000.	
USSR	79 914	4442N	12436W	27877.0	43934.9	12646.9	137.	0.667	11114.	16.67	2.00	106.	11220.	
USSR	78 818	4354N	12431W	27818.4	43932.2	13252.1	66.	3.000	49993.	16.66	1.54	5007.	55000.	
USSR	78 825	4348N	12434W	27802.7	43930.9	13303.6	90.	1.583	26372.	16.66	1.67	28.	26400.	
POLAND	80 9 3	4432N	12431W	27883.9	43934.9	12876.2	52.	3.250	54108.	16.65	1.87	892.	55000.	
USSR	78 9 9	4528N	12424W	27956.5	43929.8	12461.7	98.	1.583	26352.	16.64	1.58	48.	26400.	
POLAND	80 915	4406N	12456W	27795.3	43931.7	13134.6	87.	1.583	26324.	16.63	1.76	76.	26400.	
POLAND	79 912	4509N	12424W	27935.2	43932.3	12613.8	169.	2.167	35955.	16.59	1.95	125.	36080.	
USSR	7810 2	4354N	12450W	27783.1	43929.9	13250.8	27.	1.583	26237.	16.57	1.60	163.	26400.	
USSR	78 819	4356N	12433W	27817.8	43932.3	13234.8	56.	2.000	33009.	16.50	1.50	0.	33000.	
USSR	79 9 9	4349N	12433W	27806.3	43931.2	13295.1	60.	3.333	54987.	16.50	1.65	13.	55000.	
USSR	78 9 6	4340N	12439W	27779.4	43928.5	13371.1	109.	2.667	43972.	16.49	1.45	23.	44000.	
POLAND	78 9 3	4404N	12439W	27819.5	43932.8	13166.4	71.	1.583	26096.	16.48	1.53	304.	26400.	
POLAND	80 921	4343N	12434W	27794.2	43929.9	13346.6	131.	1.333	21968.	16.48	1.47	32.	22000.	
USSR	77 911	4309N	12442W	27703.8	43916.2	13629.5	159.	2.000	32951.	16.48	1.91	49.	33000.	
USSR	79 830	4333N	12436W	27772.7	43927.2	13432.1	120.	1.333	21945.	16.46	1.78	55.	22000.	
USSR	79 817	4413N	12436W	27835.3	43933.8	13089.9	44.	1.333	21925.	16.44	2.38	75.	22000.	
POLAND	80 924	4338N	12437W	27779.7	43928.3	13388.8	131.	1.333	21918.	16.44	1.30	82.	22000.	
USSR	78 829	4355N	12440W	27803.1	43931.4	13243.0	87.	2.000	32877.	16.44	1.52	123.	33000.	
POLAND	79 910	4518N	12424W	27945.5	43931.2	12541.1	169.	1.667	27392.	16.43	1.91	108.	27500.	

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YHMD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
POLAND	781014	4443N	12436W	27881.8	43934.8	12837.4	126.	1.333	21901.	16.43	1.76	99.	22000.
USSR	77 627	4441N	12449W	27856.6	43934.9	12861.5	109.	2.000	32830.	16.41	1.61	170.	33000.
USSR	78 823	4355N	12433W	27816.2	43932.1	13243.4	93.	2.000	32822.	16.41	1.61	178.	33000.
POLAND	78 910	4334N	12438W	27770.6	43927.1	13422.8	164.	1.333	21880.	16.41	1.45	120.	22000.
USSR	79 911	4407N	12454W	27797.2	43931.7	13142.7	77.	0.667	10937.	16.40	1.98	63.	11000.
POLAND	77 821	4422N	12427W	27868.8	43934.8	13010.3	49.	2.000	32777.	16.39	1.69	223.	33000.
POLAND	80 831	4359N	12457W	27778.9	43930.0	13209.0	44.	2.667	43663.	16.37	1.30	337.	44000.
POLAND	80 9 4	4335N	12435W	27778.2	43927.9	13415.2	74.	1.083	17735.	16.37	1.43	85.	17820.
USSR	79 9 2	4332N	12436W	27770.9	43927.0	13440.6	82.	1.333	21822.	16.37	1.85	178.	22000.
POLAND	78 9 3	4401N	12436W	27320.3	43932.7	13191.9	74.	0.800	13087.	16.36	1.54	113.	13200.
USSR	7810 3	4423N	12448W	27832.5	43934.1	13008.8	115.	1.750	28578.	16.33	1.59	22.	28600.
POLAND	801020	4402N	12458W	27782.1	43930.4	13184.3	115.	2.000	32655.	16.33	2.05	125.	32780.
POLAND	7810 5	4728N	12450W	28026.4	43909.5	11740.3	104.	1.333	21718.	16.29	2.05	282.	22000.
USSR	78 929	4419N	12453W	27817.7	43933.4	13043.3	99.	2.000	32520.	16.26	1.70	480.	33000.
USSR	77 817	4412N	12456W	27801.7	43932.3	13101.7	68.	1.083	17604.	16.25	1.65	18.	17622.
USSR	78 920	4354N	12446W	27790.3	43930.4	13251.1	109.	1.083	17566.	16.22	1.45	34.	17600.
POLAND	78 922	4527N	12420W	27962.1	43929.4	12464.6	104.	1.083	17565.	16.21	1.65	35.	17600.
USSR	78 822	4347N	12433W	27802.9	43930.8	13312.3	98.	2.167	35073.	16.19	1.54	127.	35200.
POLAND	80 911	4418N	12452W	27818.0	43933.3	13051.3	120.	1.417	22909.	16.17	1.91	191.	23100.
USSR	79 916	4417N	12450W	27819.9	43933.4	13059.1	87.	1.250	20198.	16.16	1.98	42.	20240.
POLAND	781027	4414N	12452W	27811.8	43932.9	13064.4	120.	1.667	26802.	16.08	1.67	38.	26840.
POLAND	80 829	4309N	12451W	27698.2	43915.4	13627.5	131.	3.417	54804.	16.04	1.50	196.	55000.
POLAND	80 826	4335N	12436W	27776.3	43927.7	13414.9	120.	1.083	17335.	16.00	1.76	45.	17380.
USSR	79 911	4411N	12457W	27798.4	43932.0	13110.1	49.	2.000	31985.	15.99	1.72	1015.	33000.
USSR	79 9 5	4336N	12442W	27801.0	43931.3	13234.4	55.	2.750	43976.	15.99	2.13	24.	44000.
USSR	79 927	4303N	12503W	27663.9	43909.1	13668.5	208.	1.500	23963.	15.98	1.83	237.	24200.
USSR	79 816	4434N	12429W	27802.0	43934.9	12908.9	52.	1.000	15966.	15.97	1.63	754.	16720.
POLAND	80 9 4	4354N	12431W	27818.4	43932.2	13252.1	82.	1.417	22616.	15.96	1.69	3784.	26400.
USSR	79 829	4310N	12446W	27709.6	43917.1	13622.5	134.	2.667	42461.	15.92	1.67	219.	42680.
POLAND	801022	4317N	12450W	27715.9	43919.0	13561.2	191.	2.750	43662.	15.88	1.42	338.	44000.
POLAND	77 823	4438N	12430W	27885.7	43934.8	12875.6	77.	1.750	27674.	15.81	1.74	3126.	30800.
USSR	78 821	4401N	12429W	27833.4	43933.3	13191.7	38.	2.083	32924.	15.80	1.63	76.	33000.
USSR	781016	4432N	12439W	27861.4	43934.8	12930.5	142.	1.667	26337.	15.80	1.65	63.	26400.
USSR	79 9 9	4403N	12455W	27789.0	43931.0	13175.9	77.	0.833	13164.	15.80	1.89	36.	13200.
USSR	77 826	4432N	12442W	27856.1	43934.8	12931.8	169.	1.667	26323.	15.79	1.65	77.	26400.
POLAND	78 9 5	4356N	12439W	27806.6	43931.6	13234.5	115.	0.417	6578.	15.79	1.50	22.	6600.
POLAND	79 921	4428N	12451W	27834.7	43934.3	12968.7	197.	1.667	26284.	15.77	1.86	116.	26400.
USSR	79 916	4417N	12453W	27914.7	43933.1	13059.8	82.	2.417	38075.	15.76	1.85	1525.	39600.
USSR	79 913	4354N	12449W	27791.5	43930.8	13217.4	55.	2.667	42005.	15.75	2.16	15.	42020.
USSR	79 9 2	4331N	12437W	27767.1	43926.5	13448.8	87.	2.500	39341.	15.74	2.02	39.	39380.
POLAND	79 821	4409N	12428W	27847.7	43934.1	13122.5	57.	1.250	19661.	15.73	2.07	139.	19800.
USSR	78 819	4412N	12457W	27799.9	43932.2	13101.9	87.	1.167	18326.	15.71	1.66	21272.	39600.
POLAND	80 831	4421N	12425W	27871.1	43934.8	13018.3	44.	1.500	23523.	15.68	1.80	17.	23540.
POLAND	781010	4510N	12419W	27944.9	43931.7	12600.7	104.	1.333	20893.	15.67	1.66	7.	20900.
POLAND	79 930	4446N	12434W	27809.3	43934.7	12811.3	148.	2.583	40361.	15.62	1.96	119.	40480.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
POLAND	77 824	4418N	12428W	27861.2	43934.6	13045.0	49.	2.250	35122.	15.61	1.74	78.	35200.
USSR	77 910	4309N	12448W	27703.8	43916.2	13629.5	159.	1.833	28585.	15.59	1.91	15.	28600.
USSR	781015	4429N	12439W	27857.1	43934.7	12955.5	115.	1.083	16870.	15.57	1.63	4.	16874.
POLAND	80 926	4407N	12439W	27824.2	43933.2	13141.0	60.	2.500	38820.	15.53	1.93	5180.	44000.
USSR	79 925	4422N	12454W	27820.6	43933.6	13019.0	137.	1.417	21998.	15.53	1.85	4.	22000.
POLAND	78 9 6	4343N	12434W	27794.2	43929.9	13346.6	118.	2.267	35161.	15.51	1.39	39.	35200.
POLAND	80 827	4423N	12447W	27834.3	43934.1	13008.5	109.	0.417	6461.	15.51	1.87	139.	6600.
USSR	77 816	4312N	12447W	27711.7	43917.7	13605.0	191.	1.417	21914.	15.47	1.43	86.	22000.
USSR	78 9 2	4359N	12456W	27780.7	43930.1	13209.0	104.	1.417	21913.	15.47	1.56	87.	22000.
POLAND	80 912	4712N	12440W	28027.4	43910.9	11800.2	44.	1.417	21884.	15.45	2.00	116.	22000.
USSR	77 911	4307N	12450W	27696.0	43914.7	13644.9	109.	1.417	21838.	15.42	1.60	102.	22000.
POLAND	78 824	4400N	12428W	27833.8	43933.3	13200.3	63.	1.483	22362.	15.41	1.58	238.	23100.
USSR	78 827	4356N	12436W	27812.2	43932.0	13234.7	82.	1.000	15400.	15.40	1.56	0.	15400.
USSR	78 824	4344N	12434W	27795.9	43930.1	13338.0	79.	1.000	15399.	15.40	1.52	1.	15400.
USSR	79 926	4302N	12449W	27687.6	43912.7	13687.3	93.	3.667	56296.	15.35	1.12	24.	56320.
POLAND	79 830	4405N	12458W	27797.0	43930.9	13159.6	180.	1.000	15348.	15.35	1.88	52.	15400.
USSR	79 819	4408N	12432W	27835.6	43933.6	13148.8	38.	1.000	15340.	15.34	2.09	60.	15400.
POLAND	79 927	4431N	12436W	27861.8	43934.8	12938.4	131.	3.000	45986.	15.33	2.05	214.	46200.
POLAND	80 916	4407N	12457W	27772.0	43931.4	13143.0	87.	1.000	15313.	15.31	1.61	87.	15400.
POLAND	78 926	4709N	12456W	28003.7	43915.6	11847.9	120.	1.667	25509.	15.31	1.74	891.	26400.
USSR	79 9 1	4355N	12436W	27910.5	43931.8	13243.2	109.	1.583	24182.	15.27	2.04	18.	24200.
USSR	79 818	4411N	12430W	27847.0	43934.2	13105.5	58.	1.500	22865.	15.24	2.00	15.	22880.
USSR	78 822	4408N	12433W	27833.2	43933.5	13148.9	44.	2.167	32998.	15.23	1.65	2.	33000.
USSR	79 826	4443N	12434W	27885.3	43934.8	12836.2	87.	2.167	32969.	15.22	1.85	31.	33000.
USSR	77 915	4439N	12434W	27979.9	43934.9	12869.5	191.	0.667	10123.	15.18	2.18	877.	11000.
USSR	79 925	4311N	12447W	27709.7	43917.3	13613.4	137.	2.167	32871.	15.17	1.76	129.	33000.
USSR	79 9 6	4430N	12440W	27856.8	43934.7	12947.6	109.	2.083	31607.	15.17	1.97	73.	31680.
USSR	77 831	4357N	12452W	27784.5	43930.2	13225.7	82.	1.167	17680.	15.15	1.65	96.	17776.
USSR	78 9 3	4344N	12434W	27795.9	43930.1	13338.0	77.	1.750	26382.	15.08	1.52	18.	26400.
USSR	79 820	4405N	12430W	27837.8	43933.6	13157.2	38.	1.750	26378.	15.07	1.94	22.	26400.
USSR	77 824	4433N	12447W	27848.8	43934.7	12925.9	109.	1.167	17576.	15.07	1.65	24.	17600.
USSR	79 825	4314N	12509W	27675.6	43912.8	13575.0	154.	2.000	30118.	15.06	1.34	1342.	31460.
USSR	77 9 6	4319N	12455W	27710.6	43918.6	13541.8	164.	1.417	21329.	15.06	1.55	231.	21560.
USSR	77 916	4438N	12441W	27866.3	43934.9	12851.7	93.	1.167	17553.	15.05	1.82	47.	17600.
USSR	78 819	4355N	12435W	27812.4	43931.9	13243.3	82.	1.667	25055.	15.03	1.50	245.	25300.
USSR	77 9 7	4319N	12446W	27727.4	43920.7	13546.7	131.	1.333	20024.	15.02	1.58	161.	20185.
USSR	79 918	4311N	12447W	27709.7	43917.3	13613.4	109.	1.167	17517.	15.01	1.72	83.	17600.
USSR	78 917	4431N	12436W	27865.3	43934.8	12937.5	96.	2.000	30002.	15.00	1.67	798.	30800.
USSR	7910 3	4354N	12434W	27812.7	43931.9	13251.9	44.	1.917	28707.	14.98	2.13	993.	29700.
USSR	77 823	4432N	12441W	27857.9	43934.8	12931.4	175.	0.583	8718.	14.95	1.66	82.	8800.
POLAND	80 929	4352N	12433W	27811.3	43931.7	13269.2	109.	2.583	38593.	14.94	1.90	1007.	39600.
USSR	77 825	4431N	12443W	27852.9	43934.7	12940.6	169.	1.750	26120.	14.93	1.70	260.	26400.
POLAND	781014	4443N	12438W	27878.3	43934.9	12838.6	109.	2.833	42230.	14.90	1.73	10.	42240.
USSR	79 826	4307N	12449W	27697.9	43915.0	13645.6	137.	1.917	28528.	14.89	1.67	72.	28600.
USSR	77 917	4448N	12429W	27900.7	43934.5	12791.3	77.	1.833	27281.	14.88	1.80	351.	27632.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPRX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
POLAND	79 027	4425N	12425W	27876.8	43934.9	12983.9	41.	1.833	27276.	14.88	2.05	4.	27280.
USSR	79 9 2	4332N	12437W	27758.9	43928.8	13440.3	98.	1.333	19799.	14.85	1.87	1.	19800.
USSR	79 9 13	4358N	12457W	27777.2	43929.8	13217.3	87.	1.333	19765.	14.82	1.91	35.	19800.
POLAND	79 030	4402N	12459W	27780.4	43930.3	13184.3	96.	2.667	39503.	14.81	1.87	97.	39600.
POLAND	781028	4341N	12437W	27785.0	43929.0	13363.1	159.	2.917	43159.	14.80	1.72	181.	43340.
USSR	79 923	4355N	12437W	27805.4	43931.4	13260.3	109.	3.750	55395.	14.77	2.00	925.	56320.
USSR	79 9 3	4303N	12501W	27667.5	43909.7	13670.0	156.	1.333	19678.	14.76	1.74	122.	19800.
POLAND	801012	4302N	12448W	27689.5	43912.9	13688.1	126.	1.583	23277.	14.70	1.34	43.	23320.
POLAND	78 025	4405N	12439W	27821.1	43932.9	13158.0	66.	1.750	25724.	14.70	1.65	677.	26400.
USSR	77 029	4357N	12458W	27777.3	43929.7	13225.6	77.	0.750	11001.	14.67	1.72	59.	11059.
USSR	77 023	4413N	12458W	27803.3	43932.4	13093.4	87.	1.500	22000.	14.67	1.54	3300.	25100.
USSR	78 020	4345N	12434W	27797.6	43930.3	13329.4	93.	2.250	32998.	14.67	1.56	2.	33000.
POLAND	80 9 12	4418N	12452W	27818.0	43933.3	13051.3	109.	0.583	8555.	14.67	1.78	245.	8800.
USSR	78 9 7	4416N	12458W	27804.5	43932.6	13069.3	82.	2.250	32989.	14.66	1.52	11.	33000.
POLAND	80 9 18	4309N	12446W	27707.6	43916.7	13630.9	131.	2.250	32985.	14.66	1.23	15.	33000.
USSR	79 9 8	4441N	12436W	27879.1	43934.9	12854.0	93.	1.500	21952.	14.63	2.13	48.	22000.
USSR	7810 6	4537N	12432W	27953.1	43929.5	12402.4	120.	1.500	21935.	14.62	1.67	65.	22000.
USSR	79 9 1	4402N	12502W	27775.1	43929.9	13184.5	109.	0.750	10966.	14.62	1.94	34.	11000.
POLAND	801010	4404N	12455W	27790.6	43931.1	13187.6	109.	2.000	29206.	14.60	1.64	3794.	33000.
POLAND	781016	4436N	12439W	27867.0	43934.9	12897.2	137.	2.250	32845.	14.60	1.76	155.	33000.
USSR	79 9 2	4418N	12502W	27800.7	43932.5	13053.9	98.	0.750	10945.	14.59	2.00	55.	11000.
USSR	77 027	4438N	12443W	27860.0	43934.8	12899.2	164.	2.250	32809.	14.58	1.57	191.	33000.
USSR	77 025	4432N	12446W	27849.1	43934.7	12933.7	109.	1.500	21868.	14.58	1.61	132.	22000.
USSR	7810 5	4542N	12429W	27963.2	43928.2	12360.5	93.	2.250	32707.	14.54	1.58	293.	33000.
POLAND	78 9 16	4355N	12432W	27818.1	43932.3	13243.4	85.	2.250	32695.	14.53	1.52	11305.	44000.
POLAND	79 9 30	4428N	12444W	27846.9	43934.5	12965.9	109.	3.333	48322.	14.50	2.07	78.	48400.
POLAND	80 9 26	4359N	12433W	27822.7	43932.7	13209.0	74.	1.500	21736.	14.49	1.89	264.	22000.
POLAND	781010	4459N	12421W	27928.5	43933.1	12693.4	93.	1.833	26555.	14.48	1.89	6445.	33000.
USSR	79 9 5	4359N	12432W	27824.6	43932.8	13209.0	49.	0.750	10835.	14.45	2.29	165.	11000.
POLAND	80 9 1	4445N	12423W	27907.4	43934.4	12812.4	74.	2.333	33625.	14.41	1.85	35.	33660.
POLAND	8010 9	4408N	12456W	27792.1	43931.3	13151.1	120.	1.500	21588.	14.39	1.82	412.	22000.
USSR	79 9 14	4440N	12434W	27851.3	43934.9	12861.1	75.	2.500	35940.	14.38	2.02	140.	36000.
USSR	78 027	4357N	12457W	27775.6	43929.6	13225.6	71.	1.833	26355.	14.38	1.61	45.	26400.
POLAND	78 9 10	4333N	12432W	27768.8	43926.9	13431.3	164.	1.833	26280.	14.33	1.43	120.	26400.
USSR	781012	4417N	12450W	27806.0	43932.7	13061.1	126.	1.833	26277.	14.33	1.63	123.	26400.
USSR	79 9 23	4405N	12445W	27810.1	43932.4	13158.5	27.	3.833	54828.	14.30	2.00	172.	55000.
USSR	78 9 29	4418N	12451W	27819.7	43933.4	13051.1	109.	1.500	21445.	14.30	1.70	555.	22000.
POLAND	80 9 17	4411N	12458W	27796.6	43931.9	13110.2	104.	2.750	39248.	14.27	1.27	352.	39600.
USSR	7810 8	4436N	12439W	27867.0	43934.9	12897.2	109.	0.750	10679.	14.24	1.81	321.	11000.
POLAND	80 020	4420N	12450W	27824.5	43933.7	13034.3	107.	1.667	23663.	14.20	2.13	97.	23760.
USSR	79 9 11	4434N	12437W	27867.7	43934.9	12912.8	87.	1.083	15358.	14.18	1.96	42.	15400.
USSR	77 9 2	4344N	12439W	27783.0	43928.9	13362.8	175.	0.750	10630.	14.17	1.60	370.	11000.
USSR	79 9 25	4414N	12501W	27796.2	43932.0	13086.2	153.	1.583	22434.	14.17	2.05	6.	22440.
USSR	79 9 16	4419N	12453W	27817.7	43933.4	13043.4	109.	2.250	31856.	14.16	1.92	44.	31900.
POLAND	80 9 11	4716N	12443W	28026.4	43910.7	11785.6	66.	3.333	47168.	14.15	2.10	1232.	48400.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LUNG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	SY	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 930	4408N	12445W	27814.9	43932.8	13133.2	46.	1.667	23573.	14.14	1.87	187.	23760.
POLAND	80 916	4418N	12454W	27814.5	43933.2	13051.9	153.	1.750	24721.	14.13	1.52	30279.	55000.
USSR	79 9 4	4311N	12455W	27694.8	43915.2	13608.2	109.	2.333	32959.	14.13	1.67	41.	33000.
USSR	79 925	4343N	12435W	27792.2	43929.8	13346.4	98.	2.333	32952.	14.12	1.91	48.	33000.
USSR	79 919	4414N	12501W	27796.2	43932.0	13086.2	137.	1.417	19982.	14.10	1.90	38.	20020.
USSR	79 9 3	4352N	12434W	27819.2	43932.5	13217.6	55.	2.250	31726.	14.10	1.94	1274.	33000.
USSR	77 922	4352N	12437W	27803.7	43931.2	13268.8	137.	2.250	31698.	14.09	1.64	1302.	33000.
USSR	78 826	4343N	12436W	27795.1	43930.3	13302.9	115.	1.250	17587.	14.07	1.52	13.	17600.
USSR	77 824	4305N	12448W	27695.7	43914.4	13663.0	131.	1.250	17552.	14.04	1.76	48.	17600.
POLAND	80 822	4411N	12450W	27810.7	43932.7	13108.9	109.	1.250	17478.	13.98	1.83	122.	17600.
USSR	79 9 2	4303N	12502W	27665.6	43909.4	13669.2	150.	1.833	25568.	13.95	1.60	3032.	28600.
POLAND	80 913	4728N	12446W	28031.5	43908.4	11732.2	60.	2.833	39470.	13.93	2.08	130.	39600.
POLAND	79 930	4426N	12447W	27838.7	43934.3	12983.6	137.	1.250	17369.	13.90	1.91	231.	17600.
POLAND	79 827	4419N	12426W	27866.4	43934.7	13035.8	36.	1.583	21996.	13.89	1.99	4.	22000.
USSR	79 921	4443N	12430W	27892.4	43934.7	12633.7	60.	1.583	21995.	13.89	2.05	5.	22000.
USSR	78 925	4409N	12456W	27796.9	43931.8	13126.4	115.	1.583	21946.	13.86	1.61	54.	22000.
USSR	77 911	4307N	12450W	27696.0	43914.7	13644.9	109.	1.563	21919.	13.84	1.63	81.	22000.
POLAND	79 817	4412N	12458W	27798.2	43932.1	13102.0	153.	1.417	19606.	13.84	1.80	194.	19800.
USSR	781023	4412N	12455W	27803.4	43932.3	13101.5	55.	1.583	21883.	13.82	1.75	117.	22000.
POLAND	79 823	4427N	12441W	27850.7	43934.6	12973.0	74.	2.083	28749.	13.80	2.02	291.	29040.
USSR	78 827	4353N	12435W	27809.1	43931.6	13260.4	93.	1.583	21627.	13.79	1.54	173.	22000.
USSR	7910 7	4716N	12445W	28023.8	43911.2	11789.6	82.	1.083	14929.	13.78	2.24	5091.	20020.
USSR	77 915	4424N	12449W	27832.2	43934.1	13009.9	120.	1.583	21817.	13.78	1.67	183.	22000.
USSR	78 819	4356N	12432W	27819.7	43932.4	13234.8	55.	1.917	26400.	13.77	1.54	0.	26400.
USSR	79 921	4309N	12447W	27705.7	43916.4	13630.2	120.	3.417	47057.	13.77	1.01	23.	47080.
USSR	77 825	4432N	12449W	27843.9	43934.6	12935.0	109.	1.583	21791.	13.76	1.74	209.	22000.
USSR	78 823	4347N	12435W	27799.1	43930.8	13312.0	98.	2.000	27500.	13.75	1.46	0.	27500.
POLAND	79 818	4355N	12432W	27818.1	43932.3	13243.4	79.	4.000	54942.	13.74	2.22	58.	55000.
POLAND	771014	4511N	12420W	27944.3	43931.7	12593.5	150.	3.167	43483.	13.73	1.76	517.	44000.
POLAND	80 9 8	4349N	12449W	27776.4	43929.0	13292.9	93.	1.917	26310.	13.73	1.32	17690.	44000.
USSR	79 823	4308N	12519W	27861.7	43909.6	13623.0	104.	2.083	28574.	13.72	1.98	26.	28600.
POLAND	80 9 1	4419N	12426W	27266.4	43934.7	13035.8	46.	0.833	11424.	13.71	1.89	17.	11440.
POLAND	78 9 8	4522N	12420W	27956.7	43930.1	12504.4	104.	1.583	21687.	13.70	1.60	313.	22000.
POLAND	80 9 6	4357N	12436W	27813.8	43932.1	13226.1	90.	3.167	43364.	13.69	1.54	636.	44000.
USSR	781022	4339N	12434W	27737.2	43929.0	13381.1	82.	1.583	21681.	13.69	0.23	319.	22000.
USSR	77 831	4357N	12432W	27321.4	43932.5	13226.2	68.	1.917	26219.	13.68	1.74	182.	26400.
USSR	79 828	4308N	12510W	27661.7	43909.6	13623.0	159.	1.917	26213.	13.68	1.91	187.	26400.
USSR	79 9 6	4428N	12446W	27843.4	43934.5	12966.7	0.	2.167	29617.	13.67	0.00	83.	29700.
USSR	79 829	4310N	12447W	27707.7	43916.9	13621.8	134.	2.667	36420.	13.66	1.17	100.	36520.
POLAND	80 830	4422N	12445W	27836.3	43934.1	13016.1	85.	1.750	23841.	13.62	1.80	1019.	24860.
USSR	78 928	4406N	12455W	27793.9	43931.5	13151.0	126.	2.417	32903.	13.62	1.52	97.	33000.
POLAND	80 826	4313N	12444W	27719.4	43918.9	13598.5	98.	2.417	32793.	13.57	1.10	207.	33000.
USSR	79 914	4355N	12454W	27779.2	43929.8	13233.9	33.	1.583	21441.	13.54	1.78	559.	22000.
POLAND	7810 4	4718N	12445W	28025.3	43910.7	11779.4	55.	1.833	24817.	13.54	1.98	43.	24860.
POLAND	78 916	4356N	12431W	27821.6	43932.5	13234.9	87.	1.250	16908.	13.53	1.65	692.	17600.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 830	4356N	12430W	27812.2	43932.0	13234.7	87.	3.250	43924.	13.52	2.00	76.	44000.
POLAND	80 826	4336N	12435W	27780.0	43928.2	13406.6	115.	2.833	38283.	13.51	1.17	41.	38324.
POLAND	781026	4442N	12434W	27954.0	43934.8	12644.5	115.	1.593	21372.	13.50	1.85	628.	22000.
USSR	77 917	4448N	12427W	27914.2	43934.4	12769.9	87.	1.917	25787.	13.45	2.24	613.	26400.
POLAND	801016	4448N	12432W	27895.4	43934.6	12793.3	115.	2.167	29143.	13.45	2.24	117.	29260.
POLAND	78 913	4400N	12439W	27814.9	43932.4	13200.5	98.	2.917	39183.	13.43	1.58	417.	39600.
POLAND	80 826	4334N	12439W	27768.7	43927.0	13422.4	98.	1.333	17870.	13.40	1.34	170.	18040.
USSR	78 826	4355N	12436W	27810.5	43931.8	13243.2	98.	1.000	13375.	13.38	1.50	45.	13420.
POLAND	781017	4439N	12439W	27871.1	43934.9	12872.3	93.	1.563	21167.	13.37	1.63	173.	21340.
POLAND	781017	4430N	12438W	27860.3	43934.8	12946.7	93.	1.167	15596.	13.37	1.68	24.	15620.
POLAND	78 927	4708N	12459W	27998.9	43916.5	11859.0	126.	1.583	21137.	13.35	1.73	863.	22000.
POLAND	781024	4517N	12424W	27944.4	43931.3	12549.1	202.	2.417	32132.	13.30	1.78	868.	33000.
USSR	77 830	4356N	12456W	27775.7	43929.5	13233.9	82.	1.250	16611.	13.29	1.72	16389.	33000.
POLAND	781014	4443N	12437W	27830.1	43934.9	12638.0	109.	2.750	36309.	13.20	1.68	871.	37180.
USSR	77 826	4434N	12449W	27846.8	43934.6	12918.6	159.	2.000	26400.	13.20	1.62	0.	26400.
USSR	77 816	4319N	12445W	27727.3	43920.6	13555.7	87.	0.500	6600.	13.20	1.47	0.	6600.
USSR	78 827	4351N	12435W	27803.9	43931.2	13277.5	137.	1.667	21985.	13.19	1.61	15.	22000.
USSR	79 920	4305N	12449W	27693.8	43914.1	13662.3	115.	1.000	13189.	13.19	0.81	11.	13200.
POLAND	78 915	4350N	12430W	27813.7	43931.7	13286.8	93.	1.333	17585.	13.19	1.55	15.	17600.
USSR	78 913	4418N	12452W	27818.0	43933.3	13051.3	104.	1.333	17583.	13.19	1.71	17.	17600.
USSR	79 824	4426N	12428W	27864.1	43934.7	13027.8	33.	0.833	10989.	13.19	1.98	11.	11000.
USSR	79 9 8	4312N	12450W	27694.9	43915.4	13599.3	137.	2.500	32960.	13.18	1.67	40.	33000.
POLAND	78 9 6	4349N	12433W	27806.3	43931.2	13295.1	107.	1.667	21966.	13.18	1.44	34.	22000.
USSR	79 9 3	4403N	12502W	27776.8	43930.1	13176.3	109.	2.000	26357.	13.18	1.78	43.	26400.
USSR	79 916	4501N	12426W	27922.2	43933.3	12681.2	109.	1.667	21963.	13.18	2.05	37.	22000.
USSR	781024	4424N	12447W	27835.7	43934.2	13000.2	104.	1.000	13178.	13.18	1.65	22.	13200.
USSR	79 910	4357N	12452W	27764.5	43930.2	13225.7	66.	1.500	19756.	13.17	2.00	9944.	29700.
USSR	7810 7	4426N	12445W	27842.2	43934.4	12982.9	49.	1.667	21945.	13.17	1.61	55.	22000.
USSR	79 9 8	4347N	12436W	27777.2	43930.4	13311.8	109.	1.000	13163.	13.16	1.73	37.	13200.
USSR	79 818	4408N	12430W	27842.5	43933.9	13131.3	33.	4.167	54840.	13.16	2.00	160.	55000.
USSR	77 9 7	4312N	12447W	27711.7	43917.7	13605.0	169.	1.667	21928.	13.16	1.61	72.	22000.
USSR	79 923	4411N	12444W	27821.4	43933.2	13107.9	33.	2.500	32885.	13.15	2.00	115.	33000.
USSR	78 912	4407N	12457W	27792.0	43931.4	13143.0	137.	1.667	21916.	13.15	1.61	34.	22000.
USSR	79 9 3	4352N	12448W	27783.3	43929.8	13267.8	82.	2.500	32864.	13.15	1.76	136.	33000.
USSR	78 9 2	4342N	12432W	27796.3	43930.0	13355.7	98.	1.667	21908.	13.14	1.56	92.	22000.
POLAND	79 922	4448N	12425W	27907.7	43934.3	12783.5	77.	1.167	15330.	13.14	2.00	70.	15400.
USSR	77 830	4408N	12436W	27829.2	43933.3	13149.2	44.	1.333	17518.	13.14	1.80	91.	17609.
USSR	78 821	4435N	12430W	27867.4	43934.9	12905.0	115.	0.833	10947.	13.14	1.63	53.	11000.
USSR	78 823	4358N	12432W	27819.7	43932.4	13234.8	55.	2.500	32839.	13.14	1.58	161.	33000.
POLAND	80 920	4306N	12452W	27690.2	43913.7	13651.8	191.	3.333	43782.	13.13	1.32	218.	44000.
USSR	77 910	4314N	12445W	27719.5	43919.0	13589.4	164.	1.667	21889.	13.13	1.69	111.	22000.
POLAND	80 819	4425N	12447W	27837.2	43934.2	12991.9	107.	1.333	17511.	13.13	1.89	89.	17600.
USSR	79 9 2	4403N	12502W	27776.8	43930.1	13176.3	109.	0.667	8751.	13.13	1.91	49.	8800.
POLAND	79 910	4516N	12425W	27941.5	43931.6	12558.2	175.	2.417	31720.	13.13	1.92	180.	31900.
USSR	78 927	4405N	12455W	27792.3	43931.3	13159.3	109.	1.667	21875.	13.12	1.61	125.	22000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
POLAND	79 825	4415N	12426W	27864.9	43934.7	13044.4	44.	2.167	28434.	13.12	2.02	166.	28600.
USSR	79 9 7	4312N	12456W	27694.9	43915.4	13599.3	126.	1.167	15310.	13.12	1.72	90.	15400.
USSR	78 624	4403N	12429W	27836.6	43933.5	13174.4	71.	2.000	26239.	13.12	1.47	161.	26400.
POLAND	80 624	4414N	12457W	27903.1	43932.4	13085.4	153.	3.167	41542.	13.12	1.73	258.	41800.
POLAND	79 824	4423N	12451W	27827.3	43933.9	13009.8	115.	0.833	10920.	13.10	1.94	80.	11000.
USSR	79 829	4303N	12502W	27665.6	43909.4	13669.2	164.	1.667	21835.	13.10	1.61	165.	22000.
USSR	78 916	4427N	12451W	27833.2	43934.2	12976.9	104.	1.333	17454.	13.09	1.61	146.	17600.
POLAND	78 827	4408N	12436W	27831.3	43933.5	13132.1	96.	3.000	39240.	13.08	1.60	360.	39600.
POLAND	80 928	4353N	12435W	27809.1	43931.6	13260.4	37.	3.333	43558.	13.07	1.23	442.	44000.
USSR	78 913	4423N	12447W	27834.3	43934.1	13008.5	126.	1.333	17410.	13.06	1.56	190.	17600.
USSR	77 826	4432N	12443W	27854.4	43934.7	12932.3	169.	2.000	26093.	13.05	1.63	307.	26400.
POLAND	771020	4525N	12426W	27946.6	43930.7	12490.1	221.	3.333	43461.	13.04	1.98	539.	44000.
USSR	78 9 9	4342N	12434W	27792.4	43929.7	13355.2	82.	0.833	10859.	13.03	1.52	141.	11000.
POLAND	80 912	4711N	12440W	26026.6	43911.1	11805.4	49.	2.000	26033.	13.02	2.14	367.	26400.
POLAND	80 915	4400N	12457W	27730.6	43930.2	13200.8	131.	1.667	21694.	13.02	1.52	306.	22000.
USSR	78 918	4430N	12437W	27652.1	43934.8	12946.3	82.	1.667	21669.	13.00	1.72	331.	22000.
USSR	79 921	4309N	12503W	27676.2	43912.1	13619.5	219.	1.333	17325.	12.99	2.10	55.	17380.
USSR	79 926	4305N	12447W	27697.6	43914.6	13663.7	109.	2.917	37820.	12.97	0.97	20.	37840.
POLAND	80 827	4424N	12445W	27839.3	43934.3	12999.5	126.	2.333	30197.	12.94	1.80	603.	30800.
USSR	78 9 3	4400N	12436W	27319.7	43932.6	13200.4	49.	0.500	6470.	12.94	1.66	130.	6600.
POLAND	7810 1	4435N	12438W	27967.4	43934.9	12905.0	109.	0.667	8624.	12.94	1.65	176.	8800.
POLAND	801013	4308N	12447W	27770.3	43916.0	13638.6	109.	2.083	26949.	12.94	1.36	111.	27050.
POLAND	781020	4426N	12445W	27845.1	43934.5	12966.3	131.	0.500	6463.	12.93	1.74	138.	6600.
POLAND	7710 2	4436N	12437W	27870.5	43934.9	12896.1	104.	2.417	31226.	12.92	1.82	1774.	33000.
USSR	77 816	4339N	12455W	27748.0	43925.4	13375.3	191.	2.500	32182.	12.87	1.42	74.	32256.
POLAND	80 828	4421N	12450W	27826.0	43933.8	13026.0	77.	3.417	43970.	12.87	1.83	30.	44000.
USSR	78 828	4407N	12457W	27792.0	43931.4	13143.0	109.	2.083	26775.	12.85	1.52	1165.	27940.
POLAND	8010 3	4359N	12432W	27824.6	43932.8	13209.0	85.	3.750	48192.	12.85	1.72	208.	48400.
USSR	78 9 2	4343N	12433W	27804.5	43931.0	13303.7	66.	1.667	21405.	12.84	1.54	595.	22000.
POLAND	80 830	4420N	12450W	27824.5	43933.7	13034.3	123.	1.750	22419.	12.81	1.83	21.	22440.
POLAND	771018	4525N	12428W	27946.6	43930.7	12490.1	202.	3.417	43662.	12.78	1.85	338.	44000.
USSR	79 929	4311N	12502W	27692.0	43913.3	13603.7	219.	3.000	32254.	12.75	1.74	466.	38720.
POLAND	80 828	4421N	12444W	27836.6	43934.1	13024.2	120.	2.250	28677.	12.75	1.85	3223.	31900.
POLAND	77 822	4421N	12426W	27855.6	43934.8	13019.2	55.	2.583	32886.	12.73	1.74	15514.	48400.
USSR	78 822	4354N	12451W	27701.3	43929.8	13250.8	87.	2.417	30752.	12.73	1.52	488.	31240.
POLAND	801019	4403N	12456W	27793.4	43931.6	13126.7	156.	2.417	30748.	12.72	1.89	52.	30800.
POLAND	80 827	4419N	12447W	27828.3	43933.8	13041.7	82.	3.500	44473.	12.71	1.67	167.	44660.
USSR	79 928	4311N	12449W	27705.9	43915.8	13612.1	137.	2.500	31644.	12.66	1.85	36.	31680.
POLAND	80 923	4408N	12431W	27840.6	43933.8	13131.5	60.	2.833	35745.	12.62	1.95	3855.	39600.
USSR	77 9 3	4335N	12437W	27774.3	43927.6	13414.5	153.	1.750	22010.	12.58	1.67	144.	22154.
USSR	79 9 9	4345N	12432W	27803.1	43930.8	13321.1	56.	3.500	43993.	12.57	1.74	7.	44000.
POLAND	80 913	4723N	12445W	28029.1	43909.4	11754.5	46.	3.167	39799.	12.57	2.07	4201.	44000.
USSR	79 9 3	4400N	12505W	27766.6	43929.1	13200.9	109.	1.750	21988.	12.56	1.91	12.	22000.
USSR	79 920	4438N	12426W	27892.9	43934.8	12873.4	109.	1.750	21972.	12.56	0.00	28.	22000.
USSR	77 9 9	4314N	12445W	27719.5	43919.0	13529.4	164.	1.333	16729.	12.55	1.63	156.	16885.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	5Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 926	4438N	12431W	27893.9	43934.9	12876.2	44.	1.750	21926.	12.53	2.20	74.	22000.
USSR	78 823	4349N	12432W	27808.2	43931.3	13295.2	55.	1.750	21917.	12.52	1.74	83.	22000.
USSR	79 9 5	4356N	12435W	27814.1	43932.1	13234.7	66.	1.750	21903.	12.52	1.84	97.	22000.
USSR	79 9 5	4305N	12449W	27693.8	43914.1	13662.3	27.	1.750	21888.	12.51	1.67	112.	22000.
POLAND	77 830	4452N	12432W	27900.6	43934.4	12760.2	104.	1.750	21860.	12.49	1.56	140.	22000.
POLAND	78 9 9	4522N	12420W	27956.7	43930.1	12504.4	112.	1.583	19725.	12.46	1.55	75.	19800.
POLAND	78 9 18	4414N	12433W	27846.0	43934.2	13060.4	60.	0.883	10993.	12.45	1.64	7.	11000.
USSR	79 825	4303N	12509W	27653.2	43907.3	13664.1	148.	2.667	33144.	12.43	1.34	736.	33880.
POLAND	731030	4345N	12431W	27803.4	43930.7	13330.0	71.	3.333	41224.	12.37	1.66	356.	41580.
USSR	79 827	4414N	12428W	27855.3	43934.4	13079.3	33.	2.667	32962.	12.36	1.94	38.	33000.
USSR	77 914	4410N	12456W	27798.5	43932.0	13118.1	82.	1.750	21604.	12.35	1.70	396.	22000.
USSR	79 828	4446N	12435W	27893.7	43934.6	12794.0	104.	1.083	13360.	12.33	2.31	81.	13420.
POLAND	771016	4514N	12422W	27944.3	43931.5	12571.1	169.	2.667	32709.	12.27	1.80	291.	33000.
POLAND	801023	4304N	12452W	27636.1	43912.6	13668.4	202.	7.167	87849.	12.26	1.49	151.	88000.
USSR	78 926	4411N	12458W	27796.6	43931.9	13110.2	109.	1.583	19356.	12.23	1.61	444.	19800.
USSR	77 917	4448N	12435W	27890.2	43934.7	12795.4	109.	1.667	20327.	12.20	1.94	89.	20416.
USSR	79 922	4305N	12504W	27666.2	43909.8	13651.4	235.	1.500	18276.	12.18	1.63	204.	18480.
USSR	79 930	4355N	12453W	27779.3	43929.7	13242.3	109.	2.917	35535.	12.18	1.96	105.	35640.
POLAND	801020	4408N	12456W	27791.8	43931.4	13134.9	109.	2.250	27402.	12.18	1.96	98.	27500.
POLAND	73 910	4352N	12435W	27907.5	43931.4	13269.0	104.	1.083	13192.	12.18	1.58	8.	13200.
USSR	79 916	4344N	12436W	27738.3	43929.5	13337.2	191.	2.250	27397.	12.18	1.85	103.	27500.
POLAND	80 928	4336N	12435W	27730.0	43928.2	13406.6	153.	3.250	39552.	12.17	1.43	48.	39600.
POLAND	801016	4448N	12431W	27897.2	43934.5	12792.6	87.	3.250	39546.	12.17	2.42	54.	39600.
USSR	78 829	4356N	12445W	27795.5	43930.9	13234.3	82.	1.083	13165.	12.15	1.58	35.	13200.
POLAND	781011	4500N	12423W	27926.2	43933.2	12686.9	104.	2.583	31387.	12.15	1.81	73.	31460.
POLAND	77 9 7	4425N	12447W	27837.2	43934.2	12991.9	148.	2.167	26284.	12.13	1.63	116.	26400.
POLAND	7810 8	4720N	12454W	28015.1	43912.5	11787.5	71.	0.917	11102.	12.11	1.89	338.	11440.
USSR	78 819	4356N	12439W	27836.6	43931.6	13234.5	71.	1.833	22203.	12.11	1.48	897.	23100.
USSR	78 820	4406N	12433W	27833.8	43933.5	13148.9	39.	1.750	21193.	12.11	1.63	807.	22000.
USSR	78 824	4347N	12433W	27802.9	43930.8	13312.3	66.	1.500	18163.	12.11	1.46	25837.	44000.
USSR	79 924	4400N	12454W	27785.9	43930.5	13200.7	79.	1.083	13112.	12.10	1.98	308.	13420.
USSR	7810 2	4353N	12450W	27781.4	43929.7	13259.2	109.	1.917	23183.	12.10	1.60	3217.	26400.
USSR	79 911	4407N	12507W	27774.7	43930.2	13144.1	79.	1.917	23097.	12.05	1.94	3.	23100.
POLAND	781012	4513N	12421W	27944.9	43931.5	12578.2	164.	1.417	17066.	12.05	1.84	94.	17160.
POLAND	78 827	4400N	12428W	27833.8	43933.3	13200.3	63.	2.833	34125.	12.04	1.58	9875.	44000.
POLAND	801010	4306N	12452W	27690.2	43913.7	13651.8	219.	2.833	34025.	12.01	1.52	75.	34100.
POLAND	781025	4533N	12430W	27952.1	43929.8	12430.4	186.	1.083	13007.	12.01	1.79	193.	13200.
USSR	79 916	4311N	12448W	27707.8	43917.0	13612.7	109.	1.917	23001.	12.00	1.74	99.	23100.
USSR	78 9 9	4532N	12426W	27957.5	43929.4	12433.0	93.	1.833	21999.	12.00	1.52	1.	22000.
USSR	79 825	4304N	12443W	27693.6	43913.9	13671.4	145.	1.833	21995.	12.00	1.61	5.	22000.
USSR	79 9 9	4525N	12426W	27949.9	43930.5	12467.7	120.	1.833	21991.	12.00	1.98	9.	22000.
USSR	79 9 3	4432N	12435W	27872.1	43934.9	12927.7	49.	0.917	10995.	11.99	1.96	5.	11000.
POLAND	78 831	4403N	12440W	27816.1	43932.6	13175.0	85.	1.833	21946.	11.97	1.54	54.	22000.
POLAND	80 819	4422N	12448W	27831.0	43934.0	13017.1	107.	2.917	34904.	11.97	1.94	76.	34980.
USSR	77 819	4402N	12430W	27833.1	43933.3	13183.1	38.	2.750	32887.	11.96	1.61	113.	33000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	79 025	4340N	12435W	27787.0	43929.1	13372.2	98.	2.750	32882.	11.96	1.72	116.	33000.
POLAND	77 021	4415N	12425W	27862.4	43934.6	13070.1	53.	2.167	25907.	11.96	1.78	933.	26840.
POLAND	78 910	4358N	12437W	27813.5	43932.2	13217.5	109.	0.917	10948.	11.94	1.47	52.	11000.
POLAND	79 027	4431N	12439W	27860.0	43934.8	12938.8	131.	2.750	32843.	11.94	2.08	157.	33000.
USSR	77 024	4425N	12445W	27840.7	43934.3	12991.2	82.	1.833	21887.	11.94	1.61	113.	22000.
USSR	79 028	4304N	12509W	27655.3	43907.5	13656.0	153.	1.750	20888.	11.94	1.65	12.	20900.
USSR	79 027	4314N	12509W	27675.6	43912.8	13575.0	148.	1.750	20880.	11.93	1.52	1560.	22440.
POLAND	801017	4434N	12436W	27859.5	43934.9	12912.3	101.	2.833	33802.	11.93	1.76	738.	34540.
USSR	79 911	4408N	12454W	27798.8	43931.9	13134.4	77.	0.917	10926.	11.92	1.80	74.	11000.
USSR	77 819	4400N	12430W	27830.0	43933.1	13200.3	53.	1.833	21845.	11.92	1.59	155.	22000.
POLAND	80 913	4729N	12449W	28028.4	43908.9	11733.5	49.	3.667	43611.	11.89	2.03	389.	44000.
USSR	78 9 4	4431N	12437W	27863.5	43934.8	12937.9	126.	0.917	10887.	11.88	1.66	113.	11000.
USSR	77 9 6	4320N	12444W	27733.1	43921.6	13539.3	410.	1.833	21751.	11.86	1.58	249.	22000.
POLAND	79 831	4402N	12500W	27778.6	43930.1	13184.4	96.	2.000	23723.	11.86	1.85	37.	23760.
USSR	79 913	4437N	12438W	27870.1	43934.9	12888.3	142.	1.667	19721.	11.83	1.92	79.	19800.
USSR	79 923	4416N	12453W	27813.1	43933.0	13068.1	50.	1.917	22674.	11.83	1.96	206.	22880.
POLAND	80 918	4406N	12457W	27790.4	43931.2	13151.2	109.	3.333	39233.	11.77	1.23	367.	39600.
USSR	79 918	4438N	12433W	27890.3	43934.9	12877.3	53.	1.583	18633.	11.77	1.94	67.	18700.
USSR	77 910	4320N	12446W	27729.3	43921.1	13538.2	131.	1.333	15684.	11.76	1.63	244.	15928.
USSR	78 818	4352N	12437W	27823.7	43931.2	13268.8	66.	0.750	8800.	11.73	1.52	0.	8800.
USSR	77 9 2	4353N	12440W	27799.8	43931.0	13260.0	197.	2.250	26400.	11.73	1.57	0.	26400.
USSR	78 827	4401N	12457W	27782.2	43930.3	13192.5	82.	2.250	26373.	11.72	1.80	27.	26400.
USSR	7910 2	4408N	12445W	27814.9	43932.8	13133.2	44.	2.250	26356.	11.71	2.00	44.	26400.
USSR	77 830	4406N	12436W	27828.2	43933.3	13149.2	44.	1.000	11709.	11.71	1.83	61.	11770.
USSR	79 824	4310N	12447W	27707.7	43916.9	13621.8	169.	1.500	17535.	11.69	1.45	65.	17600.
USSR	79 817	4415N	12501W	27797.8	43932.2	13078.1	164.	1.500	17528.	11.69	1.63	72.	17600.
POLAND	79 916	4443N	12442W	27871.4	43934.9	12841.1	109.	1.567	19448.	11.67	1.91	8272.	27720.
POLAND	77 827	4448N	12438W	27885.0	43934.8	12797.4	164.	1.500	17502.	11.67	1.56	98.	17600.
USSR	77 917	4450N	12427W	27906.8	43934.3	12773.2	71.	1.667	19441.	11.66	1.88	359.	19800.
POLAND	78 921	4440N	12435W	27879.5	43934.9	12861.7	120.	2.417	28182.	11.66	1.82	7018.	35200.
USSR	77 029	4358N	12456W	27775.5	43929.6	13217.3	77.	3.083	35923.	11.65	1.70	1477.	37400.
USSR	78 023	4354N	12446W	27790.3	43930.4	13251.1	82.	1.500	17445.	11.63	1.63	155.	17600.
USSR	78 822	4407N	12431W	27839.0	43933.5	13140.1	44.	2.250	26152.	11.62	1.56	248.	26400.
POLAND	80 927	4400N	12442W	27807.6	43931.9	13200.5	60.	0.500	5811.	11.62	1.98	789.	6600.
USSR	79 9 6	4431N	12439W	27860.0	43934.6	12938.8	109.	2.833	32912.	11.62	1.98	88.	33000.
POLAND	79 911	4517N	12425W	27942.7	43931.5	12550.2	164.	1.750	20293.	11.60	1.88	387.	20680.
POLAND	80 929	4330N	12438W	27753.4	43926.0	13457.0	159.	4.750	54916.	11.56	1.28	84.	55000.
USSR	79 826	4320N	12507W	27690.9	43916.0	13527.3	153.	2.167	25032.	11.55	1.65	48.	25080.
USSR	79 9 3	4357N	12438W	27810.1	43931.9	13226.0	55.	1.333	15370.	11.53	2.02	30.	15400.
USSR	79 9 2	4302N	12501W	27685.4	43909.2	13678.1	153.	2.250	25934.	11.53	1.63	466.	26400.
USSR	79 819	4408N	12437W	27829.5	43933.4	13132.2	44.	1.500	17289.	11.53	2.09	311.	17600.
USSR	7910 3	4718N	12446W	28024.0	43910.9	11781.5	71.	2.667	30684.	11.51	2.22	2316.	33000.
POLAND	78 911	4354N	12453W	27777.7	43929.5	13250.6	120.	1.333	15312.	11.48	1.57	88.	15400.
USSR	78 9 5	4344N	12435W	27794.0	43930.0	13357.8	104.	1.917	22000.	11.48	1.50	0.	22000.
USSR	78 9 8	4419N	12455W	27814.3	43933.2	13043.9	82.	3.250	37275.	11.47	1.58	125.	37400.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	77 818	4420N	12450W	27824.5	43933.7	13034.3	109.	1.750	20064.	11.47	1.64	27.	20090.
USSR	77 9 1	4354N	12455W	27774.1	43929.2	13250.5	82.	1.917	21937.	11.45	1.76	63.	22000.
POLAND	79 828	4425N	12425W	27876.8	43934.9	12983.9	33.	0.750	8583.	11.44	1.93	217.	8800.
POLAND	80 831	4407N	12457W	27792.0	43931.4	13143.0	77.	2.667	30478.	11.43	1.30	322.	30800.
POLAND	80 826	4421N	12447W	27831.3	43934.0	13025.1	79.	1.667	19024.	11.41	1.89	116.	19140.
USSR	77 824	4437N	12448W	27852.8	43934.8	12893.6	186.	1.917	21868.	11.41	1.63	132.	22000.
USSR	77 9 2	4344N	12439W	27786.4	43929.4	13337.0	202.	1.917	21836.	11.39	1.56	162.	22000.
POLAND	80 9 5	4358N	12433W	27821.1	43932.6	13217.6	55.	3.000	34164.	11.39	1.76	5436.	39600.
POLAND	80 825	4423N	12448W	27932.5	43934.1	13008.8	142.	4.667	53102.	11.38	1.86	160.	53262.
USSR	77 830	4355N	12434W	27814.3	43932.0	13243.3	71.	2.833	32113.	11.33	1.59	867.	33000.
USSR	7910 5	4406N	12453W	27797.4	43931.7	13150.8	77.	1.500	16990.	11.33	2.05	1270.	18260.
USSR	79 9 2	4403N	12502W	27776.8	43930.1	13176.3	120.	1.167	13200.	11.31	1.91	0.	13200.
USSR	78 9 4	4352N	12434W	27809.4	43931.6	13269.1	66.	2.333	26397.	11.31	1.50	3.	26400.
USSR	79 819	4406N	12429W	27844.3	43934.0	13131.2	60.	1.167	13177.	11.29	2.13	23.	13200.
USSR	78 829	4345N	12434W	27797.6	43930.3	13329.4	104.	2.333	26328.	11.28	1.45	72.	26400.
USSR	78 9 4	4356N	12444W	27797.3	43931.1	13234.3	71.	0.917	10342.	11.28	1.56	658.	11090.
USSR	78 817	4403N	12431W	27840.6	43933.8	13131.5	33.	2.333	26324.	11.28	1.61	76.	26400.
POLAND	78 820	4405N	12427W	27843.5	43933.8	13156.9	66.	4.833	54512.	11.28	1.73	488.	55000.
POLAND	771022	4501N	12433W	27910.2	43933.8	12667.3	189.	3.417	38471.	11.26	1.95	689.	39160.
USSR	79 920	4426N	12430W	27869.1	43934.8	12977.2	41.	2.917	32803.	11.25	1.87	197.	33000.
USSR	7810 6	4537N	12432W	27953.1	43929.5	12402.4	120.	2.917	32799.	11.25	1.61	201.	33000.
USSR	781017	4440N	12439W	27872.5	43934.9	12864.0	159.	1.167	13117.	11.24	1.65	83.	13200.
USSR	77 911	4349N	12444W	27755.5	43929.7	13293.6	546.	1.917	21517.	11.23	1.56	483.	22000.
USSR	77 9 4	4309N	12440W	27703.8	43916.2	13629.5	323.	2.917	32724.	11.22	1.73	276.	33000.
POLAND	80 923	4411N	12436W	27832.3	43933.7	13106.9	63.	1.833	20555.	11.21	1.95	1445.	22000.
POLAND	80 830	4305N	12451W	27690.0	43913.5	13660.8	131.	1.000	11196.	11.20	1.21	2004.	13200.
POLAND	8010 5	4302N	12454W	27678.2	43911.2	13683.5	153.	3.333	37314.	11.19	1.58	86.	37400.
USSR	79 9 6	4302N	12500W	27667.2	43909.5	13678.9	120.	2.083	23303.	11.19	1.63	897.	24200.
POLAND	80 9 3	4424N	12435W	27857.1	43934.7	12996.0	60.	2.333	26053.	11.17	1.94	347.	26400.
USSR	79 923	4418N	12448W	27825.0	43933.6	13050.3	82.	1.167	13021.	11.16	1.85	179.	13200.
USSR	77 822	4432N	12443W	27854.4	43934.7	12932.3	109.	2.500	27827.	11.13	1.69	487.	28314.
USSR	77 825	4429N	12446W	27844.8	43934.5	12958.4	219.	1.583	17600.	11.12	1.64	0.	17600.
USSR	78 828	4354N	12447W	27788.5	43930.3	13251.0	82.	1.583	17600.	11.12	1.47	0.	17600.
USSR	78 819	4353N	12437W	27805.4	43931.4	13260.3	82.	1.583	17572.	11.10	1.69	28.	17600.
USSR	79 9 1	4356N	12451W	27787.9	43930.5	13217.4	46.	1.583	17566.	11.09	1.98	34.	17600.
USSR	77 9 2	4331N	12441W	27759.4	43925.8	13447.3	153.	2.750	30496.	11.09	1.69	222.	30719.
USSR	78 827	4354N	12453W	27777.7	43929.5	13250.6	98.	2.083	23100.	11.09	1.51	0.	23100.
USSR	78 914	4406N	12451W	27788.5	43931.1	13151.3	137.	2.167	24014.	11.08	1.63	186.	24200.
USSR	79 914	4450N	12427W	27906.8	43934.3	12773.2	55.	1.083	11999.	11.08	2.02	101.	12100.
USSR	77 826	4431N	12446W	27847.7	43934.6	12941.9	137.	1.583	17535.	11.07	1.63	65.	17600.
USSR	79 822	4305N	12451W	27690.0	43913.5	13660.8	109.	2.503	28562.	11.06	1.67	38.	28600.
POLAND	80 917	4407N	12459W	27788.5	43931.2	13143.2	109.	4.750	52305.	11.01	1.29	495.	52600.
POLAND	79 823	4411N	12448W	27814.2	43932.9	13108.6	36.	2.000	21998.	11.00	1.92	2.	22000.
POLAND	8010 8	4452N	12428W	27907.5	43934.2	12757.3	101.	3.500	38485.	11.00	1.94	235.	38720.
USSR	78 9 3	4433N	12436W	27870.9	43934.9	12904.0	98.	1.000	10995.	10.99	1.71	5.	11000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPRX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	77 824	4304N	12446W	27693.6	43913.9	13671.4	131.	2.000	21982.	10.99	1.76	18.	22000.
USSR	77 816	4354N	12437W	27807.0	43931.5	13251.7	87.	1.000	10991.	10.99	1.61	9.	11000.
USSR	78 829	4344N	12448W	27759.6	43928.0	13335.1	148.	3.000	32968.	10.99	1.56	32.	33000.
USSR	79 820	4332N	12438W	27767.0	43926.6	13439.9	82.	3.000	32960.	10.99	1.90	40.	33000.
POLAND	77 820	4353N	12450W	27775.5	43929.6	13217.3	82.	2.000	21968.	10.98	1.58	32.	22000.
USSR	77 819	4356N	12433W	27817.8	43932.3	13234.8	164.	3.000	32940.	10.98	1.61	60.	33000.
USSR	79 9 4	4351N	12434W	27807.7	43931.4	13277.7	55.	3.000	32935.	10.98	1.76	65.	33000.
POLAND	77 825	4422N	12424W	27874.4	43934.9	13009.3	49.	3.000	32921.	10.97	1.74	79.	33000.
POLAND	80 928	4347N	12435W	27799.1	43930.6	13312.0	96.	3.000	32906.	10.97	1.27	94.	33000.
USSR	79 914	4444N	12430W	27893.7	43934.7	12825.3	49.	1.500	16452.	10.97	1.98	48.	16500.
POLAND	77 822	4417N	12430W	27856.0	43934.5	13054.1	55.	2.000	21920.	10.96	1.72	22080.	44000.
POLAND	80 918	4335N	12438W	27772.4	43927.4	13414.2	169.	2.000	21919.	10.96	1.28	81.	22000.
POLAND	78 919	4437N	12439W	27868.4	43934.9	12858.9	104.	1.600	17534.	10.96	1.65	66.	17600.
USSR	79 819	4333N	12438W	27768.8	43926.9	13431.3	82.	1.000	10956.	10.96	1.86	44.	11000.
USSR	78 9 1	4354N	12453W	27777.7	43929.5	13250.6	82.	3.000	32840.	10.95	1.56	160.	33000.
USSR	77 825	4424N	12445W	27832.2	43934.1	13000.9	202.	2.000	21881.	10.94	2.07	11119.	33000.
POLAND	77 10 9	4437N	12435W	27975.4	43934.9	12886.7	104.	4.000	43762.	10.94	1.87	238.	44000.
POLAND	80 914	4723N	12446W	28027.8	43909.7	11756.5	66.	3.000	32807.	10.94	2.13	193.	33000.
USSR	77 9 8	4330N	12441W	27757.6	43925.5	13455.8	230.	2.417	26393.	10.92	1.56	7.	26400.
USSR	79 918	4427N	12450W	27834.9	43934.2	12976.5	120.	2.417	26381.	10.92	1.97	19.	26400.
USSR	79 831	4354N	12451W	27781.3	43929.8	13250.8	49.	1.583	17278.	10.91	1.88	322.	17600.
POLAND	80 9 5	4359N	12436W	27817.1	43932.4	13209.0	95.	1.000	10905.	10.91	1.69	95.	11000.
USSR	79 920	4429N	12453W	27332.7	43934.2	12961.3	164.	2.417	26353.	10.90	1.83	47.	26400.
USSR	78 821	4351N	12432W	27811.5	43931.0	13278.0	96.	2.333	25427.	10.90	1.56	973.	26400.
USSR	78 10 7	4417N	12456W	27809.5	43932.9	13060.6	82.	2.417	26327.	10.89	1.69	73.	26400.
USSR	78 825	4354N	12446W	27790.3	43933.4	13251.1	82.	3.000	32657.	10.89	1.65	343.	33000.
POLAND	79 10 2	4435N	12450W	27843.6	43934.6	12927.3	219.	1.000	10869.	10.87	1.82	131.	11000.
USSR	77 816	4352N	12450W	27779.7	43929.5	13267.6	90.	1.417	15396.	10.87	1.51	4.	15400.
POLAND	78 9 6	4348N	12433W	27804.6	43931.0	13303.7	118.	1.417	15383.	10.86	1.52	17.	15400.
USSR	77 822	4450N	12440W	27834.2	43934.7	12782.4	191.	1.000	10856.	10.86	1.55	144.	11000.
USSR	78 10 20	4341N	12432W	27794.6	43929.8	13354.4	71.	1.000	10840.	10.84	1.60	4560.	15400.
POLAND	79 10 6	4429N	12453W	27832.7	43934.2	12961.3	208.	2.000	21645.	10.82	1.95	355.	22000.
USSR	79 9 2	4311N	12457W	27891.1	43914.7	13606.9	213.	2.000	21615.	10.81	1.74	605.	22220.
POLAND	79 824	4414N	12427W	27857.1	43934.5	13079.1	41.	3.583	38714.	10.80	1.39	6.	38720.
POLAND	77 816	4356N	12437W	27810.3	43931.9	13234.6	87.	0.500	5400.	10.80	1.58	100.	5500.
USSR	77 920	4506N	12425W	27929.9	43932.8	12639.3	164.	2.000	21581.	10.79	1.74	419.	22000.
USSR	79 822	4406N	12430W	27839.4	43933.7	13148.6	46.	1.833	19765.	10.78	2.42	35.	19800.
USSR	79 925	4310N	12500W	27883.6	43913.4	13613.2	148.	2.000	21456.	10.73	1.00	104.	21560.
USSR	77 920	4500N	12422W	27927.9	43933.1	12666.0	82.	1.417	15170.	10.71	1.87	10.	15180.
POLAND	80 10 9	4400N	12435W	27820.5	43932.6	13200.4	79.	1.250	13328.	10.66	2.00	23852.	37180.
POLAND	80 9 9	4448N	12436W	27888.4	43934.7	12796.1	175.	4.083	43532.	10.66	2.07	468.	44000.
USSR	78 928	4406N	12455W	27793.9	43931.5	13151.0	104.	1.583	16841.	10.64	1.69	759.	17600.
POLAND	80 10 10	4308N	12451W	27696.1	43914.9	13635.8	191.	2.500	26547.	10.62	1.63	73.	26620.
POLAND	78 10 5	4721N	12444W	28028.9	43909.7	11762.3	60.	2.083	22074.	10.60	2.09	586.	22660.
USSR	79 10 2	4409N	12440W	27825.5	43933.3	13124.2	38.	0.750	7928.	10.57	1.89	1972.	9900.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPRDX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 031	4355N	12449W	27736.6	43930.2	13242.5	55.	1.583	16734.	10.57	1.91	866.	17600.
USSR	77 017	4407N	12431W	27839.0	43933.8	13140.1	68.	1.667	17600.	10.56	1.72	0.	17600.
USSR	79 017	4414N	12436W	27840.5	43934.0	13081.0	44.	1.667	17597.	10.56	1.83	3.	17600.
USSR	78 9 5	4342N	12432W	27796.3	43930.0	13355.7	77.	1.250	13198.	10.56	1.50	2.	13200.
USSR	78 9 6	4405N	12436W	27826.6	43933.2	13157.7	71.	2.083	21993.	10.56	1.56	7.	22000.
POLAND	79 9 6	4423N	12447W	27834.3	43934.1	13008.5	30.	1.250	13195.	10.56	1.88	6.	13200.
USSR	77 9 5	4310N	12448W	27705.9	43916.0	13621.1	200.	1.667	17589.	10.55	1.69	11.	17600.
USSR	7810 5	4547N	12437W	27955.7	43928.6	12334.5	98.	2.083	21984.	10.55	1.74	16.	22000.
USSR	79 9 7	4531N	12424W	27959.7	43929.3	12438.2	97.	2.083	21981.	10.55	1.77	19.	22000.
USSR	77 029	4402N	12457W	27783.9	43930.5	13184.2	109.	1.667	17577.	10.55	1.91	23.	17600.
POLAND	78 023	4408N	12427W	27848.1	43934.1	13131.0	63.	3.133	33002.	10.53	1.36	4398.	37400.
POLAND	79 920	4439N	12436W	27876.4	43934.9	12879.6	137.	1.667	17553.	10.53	1.77	47.	17600.
USSR	79 9 7	4343N	12435W	27800.8	43930.7	13303.4	109.	1.667	17521.	10.51	1.50	79.	17600.
USSR	77 030	4357N	12454W	27780.9	43930.0	13225.6	55.	0.833	8752.	10.50	1.91	48.	8800.
POLAND	791027	4407N	12458W	27790.2	43931.3	13143.1	137.	1.667	17502.	10.50	1.69	98.	17600.
POLAND	79 921	4445N	12424W	27905.7	43934.4	12813.0	71.	1.667	17481.	10.49	1.89	119.	17600.
USSR	78 9 7	4415N	12455W	27809.7	43932.9	13068.6	82.	4.083	42706.	10.46	1.55	1294.	44000.
USSR	79 921	4419N	12449W	27824.7	43933.6	13042.3	82.	1.667	17399.	10.44	1.95	201.	17600.
USSR	7810 8	4438N	12436W	27875.0	43934.9	12878.9	137.	1.250	13017.	10.41	1.67	183.	13200.
USSR	79 929	4313N	12500W	27689.6	43914.8	13528.5	191.	3.167	32932.	10.40	1.50	68.	33000.
USSR	79 9 6	4312N	12457W	27693.1	43915.1	13599.7	98.	3.583	37238.	10.39	1.35	162.	37400.
USSR	7910 3	4401N	12456W	27784.0	43930.5	13192.5	55.	1.000	10339.	10.34	2.02	5061.	15400.
POLAND	80 922	4447N	12435W	27799.1	43930.6	13312.0	109.	3.167	32700.	10.33	1.19	300.	33000.
POLAND	79 030	4407N	12457W	27792.0	43931.4	13143.0	142.	1.167	12005.	10.29	1.87	94.	12100.
USSR	79 025	4310N	12447W	27707.7	43916.9	13621.8	159.	0.917	9425.	10.28	1.36	255.	9680.
USSR	79 913	4442N	12434W	27884.0	43934.8	12844.5	82.	1.500	15400.	10.27	1.99	0.	15400.
USSR	79 021	4403N	12430W	27834.7	43933.4	13174.4	57.	1.500	15397.	10.26	2.07	3.	15400.
USSR	79 9 7	4319N	12510W	27653.7	43914.2	13533.8	154.	2.000	20529.	10.26	1.21	151.	20680.
USSR	79 920	4441N	12438W	27875.6	43934.9	12855.2	66.	1.167	11974.	10.26	1.98	126.	12100.
POLAND	771017	4517N	12424W	27944.4	43931.3	12549.1	194.	3.167	32498.	10.26	1.92	502.	33000.
POLAND	80 027	4410N	12450W	27821.5	43933.5	13050.8	90.	1.500	15387.	10.26	1.87	13.	15400.
USSR	781022	4415N	12453W	27811.6	43932.9	13076.3	109.	1.917	19626.	10.24	1.63	6774.	26400.
POLAND	801019	4420N	12448W	27828.0	43933.8	13033.7	123.	2.500	25564.	10.23	1.89	936.	26400.
POLAND	771010	4442N	12435W	27882.2	43934.8	12845.1	87.	5.167	52689.	10.20	1.78	27831.	80520.
POLAND	78 924	4550N	12429W	27971.4	43926.2	12300.9	27.	1.500	15264.	10.18	1.78	136.	15400.
USSR	79 922	4341N	12434W	27790.7	43929.5	13363.8	112.	3.167	32135.	10.15	1.94	205.	32340.
USSR	79 024	4410N	12428W	27849.3	43934.2	13113.8	33.	2.167	21987.	10.15	1.98	13.	22000.
USSR	79 927	4432N	12436W	27866.7	43934.9	12929.1	82.	2.167	21973.	10.14	2.13	27.	22000.
POLAND	80 9 1	4420N	12426W	27867.8	43934.3	13027.2	49.	1.083	10968.	10.12	1.91	32.	11000.
POLAND	781025	4524N	12421W	27957.2	43930.0	12469.7	104.	2.083	21061.	10.11	1.77	499.	21560.
USSR	7810 2	4424N	12447W	27855.7	43934.2	13000.2	137.	1.083	10938.	10.10	1.76	62.	11000.
POLAND	78 9 3	4357N	12436W	27813.8	43932.1	13225.1	115.	1.083	10938.	10.10	1.50	62.	11000.
POLAND	78 022	4413N	12427W	27855.7	43934.4	13087.9	68.	3.233	32576.	10.08	1.58	424.	33000.
USSR	79 930	4301N	12454W	27676.1	43910.7	13691.7	219.	2.167	21813.	10.07	1.54	167.	22000.
USSR	79 920	4436N	12435W	27874.1	43934.9	12895.1	77.	0.583	5865.	10.05	2.06	7775.	13640.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING			THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)				
USSR	761016	4437N	12436W	27873.7	43934.9	12867.3	66.	1.750	17575.	10.04	1.63	25.	17600.
USSR	78 026	4355N	12452W	27761.1	43929.6	13242.4	82.	1.083	10878.	10.04	1.65	122.	11000.
USSR	77 916	4438N	12435W	27876.8	43934.9	12878.4	55.	1.167	11713.	10.04	1.80	167.	11800.
POLAND	7910 4	4429N	12452W	27834.4	43934.3	12960.9	197.	1.750	17568.	10.04	1.94	32.	17600.
USSR	79 926	4440N	12436W	27877.8	43934.9	12862.3	93.	1.667	16709.	10.03	1.89	891.	17600.
POLAND	80 926	4404N	12440W	27817.6	43932.7	13166.5	60.	3.500	35087.	10.02	1.94	113.	35200.
USSR	79 921	4432N	12429W	27889.3	43934.8	12874.5	44.	1.750	17531.	10.02	1.85	69.	17600.
USSR	79 926	4314N	12455W	27700.7	43916.5	13583.3	153.	2.167	21684.	10.01	1.69	316.	22000.
USSR	79 9 3	4406N	12503W	27700.0	43930.5	13151.8	109.	1.583	15840.	10.00	1.87	0.	15840.
USSR	77 917	4448N	12435W	27890.2	43934.7	12795.4	71.	2.167	12729.	9.98	1.89	371.	22000.
POLAND	79 820	4412N	12437W	27835.6	43933.8	13098.2	55.	0.833	8294.	9.95	1.89	506.	8800.
POLAND	79 816	4411N	12459W	27794.9	43931.6	13110.4	172.	1.500	14921.	9.95	1.80	39.	14960.
POLAND	80 927	4353N	12431W	27816.7	43932.1	13260.8	79.	2.833	28182.	9.95	1.86	4818.	33000.
POLAND	78 031	4355N	12434W	27814.3	43932.0	13243.3	79.	1.833	18212.	9.93	1.61	48.	18260.
USSR	79 919	4425N	12425W	27874.0	43934.9	13001.1	60.	4.083	40541.	9.93	2.12	3459.	44000.
USSR	79 921	4453N	12423W	27923.8	43933.4	12703.4	82.	1.083	10748.	9.92	2.13	252.	11000.
POLAND	3010 9	4304N	12452W	27686.1	43912.0	13668.4	224.	2.417	23913.	9.90	1.63	67.	23980.
POLAND	79 9 9	4525N	12426W	27946.6	43930.7	12490.1	153.	3.000	29668.	9.89	1.91	32.	29700.
POLAND	80 911	4721N	12443W	28030.2	43909.4	11760.3	60.	1.500	14821.	9.88	2.00	2779.	17600.
POLAND	78 9 9	4332N	12439W	27765.1	43926.4	13439.5	186.	1.550	15310.	9.88	1.41	90.	15400.
POLAND	80 824	4408N	12451W	27804.1	43932.2	13134.0	87.	4.667	46055.	9.87	1.83	607.	46662.
POLAND	80 919	4359N	12458W	27777.2	43929.8	13209.0	120.	4.000	39416.	9.85	1.29	184.	39000.
POLAND	79 929	4428N	12450W	27836.4	43934.3	12968.3	191.	1.333	13132.	9.85	2.12	68.	13200.
USSR	79 929	4310N	12447W	27707.7	43916.9	13621.8	93.	2.167	21325.	9.84	1.74	15.	21340.
POLAND	781019	4442N	12435W	27882.2	43934.8	12845.1	131.	2.667	26237.	9.84	1.65	163.	26400.
USSR	77 527	4431N	12446W	27844.2	43934.5	12942.8	109.	2.000	19676.	9.84	1.61	124.	19800.
USSR	79 9 6	4324N	12438W	27752.2	43924.2	13508.3	148.	2.667	26209.	9.83	1.94	191.	26400.
USSR	79 919	4416N	12501W	27799.3	43932.3	13069.9	71.	1.333	13090.	9.82	2.02	110.	13200.
USSR	79 930	4407N	12447W	27809.7	43932.4	13141.9	46.	2.667	26169.	9.81	1.91	11.	26180.
USSR	78 820	4410N	12431W	27843.6	43934.0	13114.3	68.	3.083	30206.	9.80	1.58	594.	30800.
USSR	77 9 2	4338N	12436W	27777.8	43928.2	13328.5	175.	2.250	22000.	9.78	1.38	0.	22000.
USSR	77 910	4314N	12445W	27719.5	43919.0	13589.4	164.	2.000	19541.	9.77	1.72	259.	19800.
POLAND	80 9 7	4417N	12456W	27809.5	43932.9	13060.6	98.	4.500	43828.	9.74	1.44	172.	44000.
POLAND	80 031	4403N	12457W	27793.6	43931.6	13134.8	77.	4.500	43788.	9.73	1.28	212.	44000.
POLAND	80 927	4341N	12436W	27786.9	43929.2	13363.3	68.	4.500	43764.	9.73	1.41	236.	44000.
USSR	76 021	4400N	12430W	27830.0	43933.1	13200.3	38.	1.583	15385.	9.72	1.61	15.	15400.
USSR	78 9 1	4355N	12442W	27799.4	43931.1	13242.9	77.	0.417	4041.	9.70	1.58	359.	4400.
USSR	77 031	4354N	12435W	27810.8	43931.8	13251.9	246.	1.667	16163.	9.70	1.54	161.	16324.
USSR	78 915	4428N	12436W	27961.1	43934.8	12962.7	85.	1.583	15353.	9.70	1.65	47.	15400.
USSR	77 915	4443N	12434W	27895.3	43934.8	12836.2	82.	1.917	18546.	9.68	1.80	990.	19536.
USSR	78 024	4350N	12436W	27802.3	43931.0	13286.1	98.	1.833	17723.	9.67	1.47	97.	17820.
USSR	79 930	4317N	12507W	27685.1	43914.7	13551.7	525.	1.083	10470.	9.66	1.58	310.	10780.
USSR	79 927	4432N	12437W	27864.9	43934.9	12929.5	82.	3.417	32984.	9.65	2.02	16.	33000.
USSR	77 025	4422N	12447W	27832.9	43934.0	13016.8	175.	1.833	17600.	9.60	1.75	0.	17600.
USSR	78 9 0	4340N	12436W	27781.3	43928.6	13371.4	109.	1.833	17600.	9.60	1.50	0.	17600.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE		APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)	
	YYMMDD	LAT	LONG	9X	9Y	9Z	DEPTH (FMS)						HOURS TRAWLED
USSR	79 9 16	4451N	12436W	27892.3	43934.6	12771.4	164.	0.917	8799.	9.60	1.98	1.	8800.
USSR	79 9 9	4506N	12422W	27935.1	43932.5	12636.4	104.	1.833	17582.	9.59	2.09	18.	17600.
USSR	78 10 8	4436N	12437W	27870.5	43934.9	12896.1	55.	1.833	17563.	9.58	1.81	37.	17600.
POLAND	79 9 29	4441N	12432W	27866.2	43934.8	12851.6	131.	0.917	8779.	9.58	2.24	21.	8800.
POLAND	77 8 17	4409N	12450W	27793.4	43931.6	13126.7	33.	3.667	35104.	9.57	1.58	96.	35200.
POLAND	80 9 16	4400N	12457W	27780.6	43930.2	13200.8	120.	1.750	16729.	9.56	1.54	871.	17600.
USSR	77 8 28	4355N	12456W	27774.0	43929.3	13242.2	71.	0.667	6372.	9.56	1.59	228.	6600.
USSR	78 9 3	4350N	12434W	27806.0	43931.2	13286.3	87.	1.833	17510.	9.55	1.58	90.	17600.
USSR	78 9 30	4418N	12453W	27816.2	43933.3	13051.6	109.	1.833	17500.	9.55	3.11	100.	17600.
POLAND	78 10 7	4709N	12455W	28005.0	43915.4	11845.9	98.	1.333	12681.	9.51	1.83	519.	13200.
POLAND	80 9 11	4715N	12442W	28027.0	43910.7	11788.7	60.	3.083	29238.	9.48	2.04	3762.	33000.
POLAND	79 9 30	4435N	12434W	27875.8	43934.9	12894.6	96.	3.250	30754.	9.46	2.19	46.	30800.
USSR	79 10 5	4408N	12454W	27798.8	43931.9	13134.4	77.	2.833	26779.	9.45	2.07	61.	26840.
USSR	78 8 20	4352N	12431W	27824.9	43932.8	13217.6	33.	3.250	30678.	9.44	1.65	122.	30800.
USSR	77 9 9	4319N	12446W	27727.4	43920.7	13546.7	164.	1.767	16672.	9.44	1.65	52.	16724.
USSR	79 9 4	4357N	12447W	27793.5	43930.9	13225.8	55.	2.333	21997.	9.43	1.85	3.	22000.
USSR	79 9 15	4400N	12455W	27784.1	43930.4	13200.7	55.	2.167	20416.	9.42	1.85	1584.	22000.
USSR	77 8 22	4333N	12435W	27768.8	43926.9	13431.3	186.	2.333	21965.	9.41	1.80	35.	22000.
USSR	78 10 5	4347N	12432W	27953.6	43927.9	12327.4	77.	1.167	10979.	9.41	1.67	21.	11000.
USSR	79 8 17	4405N	12435W	27828.5	43933.3	13157.6	44.	1.167	10974.	9.41	2.16	26.	11000.
USSR	79 9 7	4351N	12435W	27805.8	43931.3	13277.6	109.	1.167	10970.	9.40	1.41	30.	11000.
USSR	79 9 28	4339N	12436W	27793.4	43929.7	13380.5	109.	1.750	16452.	9.40	2.00	48.	16500.
USSR	78 9 13	4411N	12450W	27796.6	43931.9	13110.2	142.	1.833	17209.	9.39	1.58	391.	17600.
POLAND	78 10 17	4425N	12441W	27847.8	43934.5	12989.7	71.	2.250	21115.	9.38	1.68	225.	21340.
POLAND	80 9 19	4317N	12443W	27729.2	43920.7	13565.3	169.	2.333	21891.	9.38	1.17	109.	22000.
POLAND	78 9 8	4310N	12447W	27707.7	43916.9	13621.8	175.	1.417	13287.	9.38	1.54	133.	13420.
POLAND	77 8 16	4352N	12437W	27803.7	43931.2	13268.8	38.	3.500	32824.	9.38	1.58	176.	33000.
USSR	79 9 21	4449N	12424W	27910.9	43934.2	12779.4	55.	2.333	21810.	9.35	2.02	190.	22000.
USSR	79 8 19	4333N	12435W	27768.9	43926.9	13431.3	82.	1.167	10897.	9.34	1.91	103.	11000.
USSR	78 9 26	4409N	12457W	27795.2	43931.7	13126.5	109.	1.417	13197.	9.32	1.62	3.	13200.
POLAND	80 9 9	4442N	12437W	27878.7	43934.9	12846.3	131.	3.500	32569.	9.31	1.69	431.	33000.
POLAND	79 9 29	4424N	12448W	27834.0	43934.1	13000.5	142.	1.167	10852.	9.30	2.00	149.	11000.
USSR	79 9 20	4312N	12452W	27792.3	43916.4	13601.8	164.	1.417	13175.	9.30	1.65	25.	13200.
USSR	79 9 17	4428N	12444W	27846.9	43934.5	12965.9	137.	2.333	21692.	9.30	1.96	308.	22000.
POLAND	78 10 9	4729N	12447W	28031.0	43908.4	11729.5	93.	2.083	19358.	9.29	1.87	222.	19580.
USSR	79 8 19	4409N	12420W	27847.7	43934.1	13122.5	60.	3.417	31675.	9.27	2.05	5.	31680.
USSR	77 8 20	4358N	12457W	27777.2	43929.8	13217.3	82.	1.417	13127.	9.27	1.57	73.	13200.
USSR	79 9 16	4431N	12436W	27865.5	43934.8	12937.5	93.	0.833	7720.	9.26	1.96	9880.	17600.
USSR	79 9 11	4457N	12428W	27913.8	43933.8	12715.9	159.	1.833	16976.	9.26	1.95	184.	17160.
USSR	78 10 4	4423N	12445W	27837.8	43934.2	13007.8	63.	1.667	15420.	9.25	1.60	2180.	17600.
USSR	79 8 25	4310N	12452W	27698.3	43915.6	13618.5	159.	1.750	16169.	9.24	1.69	331.	16500.
POLAND	80 8 29	4403N	12457W	27785.5	43930.7	13176.0	131.	1.667	15382.	9.23	1.36	18.	15400.
USSR	77 8 25	4429N	12444W	27848.3	43934.6	12957.6	191.	1.667	15363.	9.22	2.07	37.	15400.
USSR	79 9 5	4302N	12440W	27609.5	43912.9	13688.1	87.	2.333	21505.	9.22	1.34	495.	22000.
USSR	77 9 16	4436N	12440W	27855.2	43934.9	12897.7	137.	1.833	16852.	9.19	1.85	748.	17600.

87

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH- (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
POLAND	77 827	4433N	12440W	27861.0	43934.8	12922.6	175.	1.667	15320.	9.19	1.56	80.	15400.
POLAND	7810 7	4725N	12446W	28029.3	43909.2	11746.7	77.	1.083	9951.	9.19	2.18	1049.	11000.
USSR	79 830	4335N	12456W	27735.3	43923.7	13407.7	150.	2.667	24495.	9.19	1.47	1905.	26400.
USSR	79 9 2	4357N	12435W	27815.7	43932.2	13226.1	44.	1.917	17600.	9.18	1.72	0.	17600.
POLAND	80 927	4401N	12441W	27811.0	43932.2	13192.0	66.	3.583	32900.	9.18	1.87	100.	33000.
USSR	79 831	4344N	12433W	27797.8	43930.2	13336.2	66.	1.917	17581.	9.17	1.34	19.	17600.
USSR	78 928	4406N	12456W	27792.1	43931.3	13151.1	120.	1.250	11438.	9.15	1.56	1762.	13200.
USSR	7910 2	4408N	12445W	27814.9	43932.8	13133.2	55.	1.750	16004.	9.15	1.96	936.	16940.
POLAND	7810 4	4540N	12428W	27962.7	43928.4	12374.2	107.	1.917	17510.	9.14	1.85	90.	17600.
USSR	79 829	4402N	12432W	27818.2	43932.6	13183.4	68.	4.750	43329.	9.12	2.07	671.	44000.
USSR	78 826	4358N	12435W	27817.3	43932.4	13217.5	98.	1.167	10640.	9.12	1.54	360.	11000.
USSR	77 9 3	4344N	12438W	27788.3	43929.5	13337.2	191.	4.833	43987.	9.10	1.80	13.	44000.
USSR	77 910	4317N	12445W	27725.4	43920.2	13564.1	437.	2.333	21231.	9.10	1.68	769.	22000.
USSR	79 9 1	4357N	12443W	27900.8	43931.3	13225.9	82.	2.417	21963.	9.09	1.83	37.	22000.
USSR	79 921	4302N	12448W	27689.5	43912.9	13688.1	109.	2.250	20421.	9.08	1.67	39.	20460.
USSR	79 911	4455N	12429W	27909.6	43934.0	12733.2	115.	2.583	23431.	9.07	2.02	109.	23540.
USSR	79 918	4429N	12456W	27827.5	43934.1	12962.5	82.	2.417	21911.	9.07	2.00	89.	22000.
USSR	79 915	4437N	12432W	27880.8	43934.9	12885.1	96.	1.750	15860.	9.06	2.02	200.	16060.
USSR	77 819	4406N	12458W	27788.6	43931.1	13151.3	137.	2.417	21889.	9.06	1.57	111.	22000.
USSR	79 825	4412N	12428W	27852.3	43934.3	13096.6	33.	1.833	16603.	9.06	2.05	5397.	22000.
USSR	77 825	4430N	12440W	27856.8	43934.7	12947.6	159.	2.083	18837.	9.04	1.61	171.	19008.
POLAND	80 827	4429N	12444W	27848.3	43934.6	12957.6	107.	2.417	21843.	9.04	1.69	157.	22000.
USSR	78 912	4354N	12434W	27812.7	43931.9	13251.9	87.	1.917	17319.	9.04	1.72	281.	17600.
USSR	79 928	4306N	12453W	27692.4	43914.4	13634.4	164.	1.167	10537.	9.03	1.83	23.	10560.
POLAND	771010	4439N	12436W	27876.4	43934.9	12870.6	112.	6.167	55677.	9.03	1.76	203.	55880.
USSR	79 826	4311N	12511W	27666.1	43910.8	13598.1	159.	1.667	15044.	9.03	1.69	576.	15620.
USSR	79 9 5	4422N	12449W	27829.3	43933.9	13017.4	109.	2.917	26314.	9.02	1.98	86.	26400.
POLAND	78 913	4355N	12450W	27784.7	43930.1	13242.5	137.	1.333	12026.	9.02	1.47	74.	12100.
USSR	77 911	4347N	12446W	27778.5	43929.0	13310.2	257.	2.417	21784.	9.01	1.57	216.	22000.
USSR	77 826	4436N	12443W	27860.0	43934.9	12899.2	137.	2.417	21745.	9.00	1.59	255.	22000.
USSR	77 823	4430N	12442W	27853.3	43934.7	12948.5	115.	2.750	24742.	9.00	1.57	497.	25238.
POLAND	79 820	4403N	12428W	27838.5	43933.6	13174.3	46.	2.200	19758.	8.98	1.89	42.	19600.
POLAND	80 918	4331N	12433W	27778.5	43927.7	13433.2	120.	3.417	30598.	8.96	1.21	202.	30800.
USSR	78 819	4354N	12443W	27795.9	43930.8	13251.3	60.	3.667	32834.	8.95	1.54	166.	33000.
USSR	7910 1	4355N	12451W	27782.9	43930.0	13242.4	175.	3.000	26862.	8.95	1.89	193.	27060.
USSR	77 818	4410N	12458W	27795.0	43931.8	13118.4	153.	1.250	11178.	8.94	1.56	42.	11220.
POLAND	80 911	4715N	12445W	28023.0	43911.4	11794.8	68.	4.000	35754.	8.94	2.00	1646.	37400.
POLAND	8010 1	4334N	12440W	27766.8	43926.8	13422.1	153.	3.000	26809.	8.94	1.32	31.	26840.
USSR	7910 4	4407N	12437W	27827.9	43933.3	13140.7	14.	2.667	23799.	8.92	1.91	401.	24200.
POLAND	801022	4448N	12435W	27890.2	43934.7	12795.4	101.	3.083	27478.	8.91	1.72	22.	27500.
POLAND	781022	4511N	12419W	27946.1	43931.6	12592.5	93.	1.333	11874.	8.91	1.75	6.	11880.
POLAND	78 914	4350N	12435W	27804.1	43931.1	13286.2	142.	1.717	15264.	8.89	1.54	136.	15400.
USSR	79 924	4411N	12442W	27825.0	43933.4	13107.6	55.	1.500	13298.	8.87	1.91	122.	13420.
USSR	79 924	4411N	12441W	27826.8	43933.4	13107.4	55.	2.083	18461.	8.86	1.96	19.	18480.
POLAND	80 914	4411N	12456W	27800.1	43932.1	13109.9	164.	2.417	21408.	8.86	1.76	592.	22000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING			CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED	DEPT					
USSR	77 9 3	4332N	12441W	27761.3	43926.0	13438.8	159.	2.417	21311.	8.82	1.58	689.	22000.	
USSR	79 9 4	4354N	12432W	27816.5	43932.1	13252.1	66.	2.000	17594.	8.80	1.87	6.	17600.	
USSR	77 8 27	4401N	12457W	27782.2	43930.3	13192.5	273.	1.750	15385.	8.79	1.83	15.	15400.	
USSR	79 8 27	4419N	12423W	27862.6	43934.7	13036.4	38.	1.750	15385.	8.79	2.09	15.	15400.	
POLAND	78 9 3	4357N	12443W	27800.8	43931.3	13225.9	77.	2.500	21973.	8.79	1.54	27.	22000.	
USSR	77 9 8	4315N	12446W	27719.6	43919.2	13520.4	169.	1.500	13177.	8.78	1.55	23.	13200.	
USSR	77 8 26	4440N	12444W	27863.8	43934.9	12866.8	109.	2.000	17567.	8.78	1.67	33.	17600.	
USSR	78 9 4	4342N	12433W	27794.4	43929.8	13355.5	82.	1.000	8782.	8.78	1.41	18.	8800.	
USSR	79 9 20	4301N	12505W	27656.1	43907.4	13683.3	246.	2.500	21950.	8.78	1.76	50.	22000.	
POLAND	80 9 24	4402N	12437W	27820.0	43932.7	13183.4	60.	2.500	21937.	8.77	1.97	63.	22000.	
USSR	79 8 21	4403N	12503W	27780.3	43930.3	13176.1	120.	1.750	15349.	8.77	1.85	51.	15400.	
USSR	79 8 20	4406N	12428W	27843.1	43933.9	13142.4	55.	1.000	8767.	8.77	2.02	33.	8800.	
POLAND	80 9 8	4407N	12459W	27788.5	43931.2	13143.2	137.	1.000	8765.	8.77	1.50	35.	8800.	
USSR	77 9 5	4320N	12444W	27733.1	43921.6	13539.3	355.	2.000	17521.	8.76	1.45	79.	17600.	
POLAND	79 9 9	4507N	12423W	27939.7	43932.2	12626.3	98.	0.750	6570.	8.76	1.92	30.	6600.	
POLAND	76 9 8	4525N	12422W	27956.6	43929.9	12462.9	109.	2.500	21900.	8.76	1.59	100.	22000.	
USSR	77 9 11	4309N	12448W	27703.8	43916.2	13629.5	153.	2.250	19705.	8.76	1.91	95.	19800.	
USSR	78 10 14	4415N	12455W	27808.1	43932.7	13076.8	93.	1.500	13134.	8.76	1.63	66.	13200.	
POLAND	77 10 14	4507N	12422W	27936.3	43932.4	12628.2	137.	2.750	24078.	8.76	1.85	122.	24200.	
POLAND	80 10 4	4400N	12444W	27803.9	43931.7	13200.5	126.	3.083	26983.	8.75	1.89	517.	27500.	
USSR	79 9 7	4445N	12436W	27804.5	43934.8	12820.8	142.	1.500	13123.	8.75	1.98	77.	13200.	
USSR	78 8 28	4356N	12459W	27773.7	43929.5	13217.3	104.	1.250	10933.	8.75	1.52	67.	11000.	
USSR	79 10 1	4407N	12453W	27799.0	43931.8	13142.5	82.	2.000	17457.	8.73	1.96	143.	17600.	
USSR	79 9 20	4435N	12433W	27881.6	43934.9	12900.9	49.	2.500	21819.	8.73	1.95	161.	22000.	
USSR	77 9 6	4320N	12445W	27731.2	43921.3	13538.8	410.	2.500	21812.	8.72	1.58	168.	22000.	
USSR	77 9 7	4317N	12447W	27721.6	43919.7	13563.0	175.	1.500	13081.	8.72	1.67	119.	13200.	
POLAND	78 10 4	4547N	12435W	27958.9	43928.3	12331.7	109.	2.000	17436.	8.72	1.63	164.	17600.	
POLAND	80 10 11	4409N	12457W	27795.2	43931.7	13126.5	142.	3.000	26138.	8.71	1.61	262.	26400.	
USSR	79 8 25	4416N	12428W	27861.2	43934.6	13045.0	55.	3.000	26109.	8.70	1.98	13271.	39380.	
USSR	79 8 20	4408N	12436W	27827.6	43933.3	13132.4	44.	2.500	21742.	8.70	2.22	258.	22000.	
USSR	77 8 13	4420N	12450W	27824.5	43933.7	13034.3	104.	2.417	21016.	8.70	1.61	137.	21153.	
USSR	78 9 1	4354N	12444W	27794.0	43930.7	13251.2	77.	0.750	6504.	8.67	1.61	96.	6600.	
USSR	77 9 4	4332N	12441W	27761.3	43926.0	13438.8	164.	3.583	31069.	8.67	1.65	1931.	33000.	
USSR	79 9 29	4405N	12454W	27794.0	43931.4	13159.2	66.	1.000	8670.	8.67	2.00	130.	8800.	
POLAND	78 9 9	4522N	12422W	27953.3	43930.4	12506.8	115.	1.500	12990.	8.66	1.55	210.	13200.	
USSR	77 9 5	4347N	12440W	27789.6	43929.9	13311.2	202.	1.750	15145.	8.65	1.69	255.	15400.	
USSR	77 9 6	4319N	12445W	27729.3	43921.0	13547.2	137.	2.500	21632.	8.65	1.52	368.	22000.	
POLAND	77 10 20	4528N	12431W	27945.0	43930.7	12470.3	202.	5.000	43251.	8.65	1.91	749.	44000.	
POLAND	78 10 22	4506N	12420W	27938.5	43932.3	12634.5	115.	1.500	12935.	8.62	1.79	45.	12980.	
USSR	79 9 20	4309N	12503W	27676.2	43912.1	13619.5	137.	3.417	29459.	8.62	1.67	21.	29480.	
USSR	78 8 18	4356N	12434W	27819.2	43932.5	13217.6	60.	3.833	33000.	8.61	1.54	0.	33000.	
POLAND	78 10 25	4535N	12434W	27947.8	43930.1	12420.2	175.	3.667	31539.	8.60	1.81	361.	31900.	
USSR	79 9 2	4357N	12446W	27795.3	43931.0	13225.8	44.	3.833	32962.	8.60	1.83	38.	33000.	
USSR	79 9 4	4356N	12443W	27799.2	43931.2	13234.4	77.	3.833	32947.	8.59	1.96	53.	33000.	
USSR	77 9 8	4350N	12436W	27798.5	43930.7	13265.8	383.	4.250	36510.	8.59	1.74	890.	37400.	

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
POLAND	79 930	4429N	12445W	27846.6	43934.6	12958.0	120.	2.000	17179.	8.59	1.86	421.	17600.
USSR	79 917	4311N	12500W	27685.6	43913.9	13605.0	120.	1.500	12870.	8.58	1.74	110.	12980.
POLAND	80 924	4408N	12430W	27342.5	43933.9	13131.3	60.	2.000	17136.	8.57	1.97	26864.	44000.
POLAND	771019	4517N	12427W	27939.3	43931.7	12552.4	221.	3.833	32803.	8.56	1.92	197.	33000.
POLAND	79 816	4402N	12457W	27783.9	43930.5	13184.2	156.	2.000	17111.	8.56	1.80	269.	17380.
USSR	79 816	4412N	12437W	27835.6	43933.8	13098.2	49.	2.083	17813.	8.55	1.96	7.	17820.
USSR	79 925	4311N	12502W	27682.0	43913.3	13603.7	213.	2.000	17081.	8.54	1.72	79.	17160.
POLAND	80 9 5	4353N	12433W	27812.9	43931.8	13260.6	60.	1.417	12094.	8.54	1.72	1106.	13200.
POLAND	80 829	4306N	12450W	27693.9	43914.3	13653.2	131.	4.417	37696.	8.54	1.28	6304.	44000.
USSR	79 915	4411N	12453W	27805.4	43932.4	13109.4	55.	2.833	24172.	8.53	1.89	26.	24200.
USSR	77 917	4450N	12427W	27906.8	43934.3	12773.2	71.	1.333	11374.	8.53	1.81	264.	11638.
POLAND	801020	4411N	12452W	27796.6	43931.9	13110.2	137.	3.833	32685.	8.53	1.93	315.	33000.
POLAND	80 825	4413N	12451W	27819.7	43933.4	13051.1	120.	3.583	30509.	8.51	1.67	291.	30800.
USSR	78 9 2	4354N	12446W	27790.3	43930.4	13251.1	82.	0.500	4242.	8.48	1.65	158.	4400.
USSR	79 918	4301N	12501W	27663.3	43908.6	13686.3	109.	1.917	16259.	8.48	1.74	21.	16280.
USSR	78 916	4418N	12439W	27841.1	43934.2	13047.9	137.	1.667	14129.	8.48	1.63	1271.	15400.
POLAND	7910 3	4419N	12452W	27819.5	43933.4	13043.1	137.	1.167	9880.	8.47	2.05	20.	9900.
POLAND	78 912	4354N	12445W	27792.2	43930.6	13251.2	109.	3.833	32449.	8.47	1.50	551.	33000.
USSR	79 828	4306N	12511W	27660.0	43909.3	13622.3	164.	2.500	21160.	8.46	1.57	2160.	23320.
USSR	79 916	4334N	12438W	27770.6	43927.1	13422.8	186.	2.250	19022.	8.45	1.69	118.	19140.
USSR	77 911	4347N	12444W	27762.2	43929.3	13310.5	257.	2.583	21838.	8.45	1.63	162.	22000.
POLAND	7910 4	4434N	12437W	27867.7	43934.9	12912.8	115.	2.583	21834.	8.45	2.16	166.	22000.
USSR	77 816	4319N	12448W	27727.4	43920.7	13546.7	219.	2.083	17596.	8.45	1.80	4.	17600.
POLAND	801014	4306N	12450W	27693.9	43914.3	13653.2	148.	2.333	19659.	8.43	1.61	141.	19800.
POLAND	80 9 5	4403N	12431W	27932.8	43933.4	13174.5	79.	3.000	25209.	8.40	1.83	1191.	26400.
USSR	79 925	4310N	12503W	27678.2	43912.6	13611.3	115.	1.167	9801.	8.40	0.97	99.	9900.
POLAND	771017	4513N	12421W	27944.9	43931.5	12578.2	115.	3.917	32901.	8.40	1.80	99.	33000.
USSR	79 817	4411N	12436W	27935.9	43933.8	13106.6	38.	1.833	15399.	8.40	2.13	1.	15400.
POLAND	79 926	4424N	12448W	27834.0	43934.1	13000.5	197.	2.083	17490.	8.40	1.99	110.	17600.
USSR	79 920	4440N	12430W	27888.4	43934.8	12858.8	49.	2.583	21685.	8.39	2.05	315.	22000.
USSR	78 913	4421N	12446W	27829.5	43933.9	13025.4	126.	1.750	14687.	8.39	1.58	713.	15400.
USSR	79 913	4444N	12437W	27881.4	43934.8	12829.7	131.	1.833	15337.	8.37	2.05	63.	15400.
POLAND	79 924	4428N	12453W	27831.2	43934.1	12969.5	230.	1.833	15325.	8.36	1.82	75.	15400.
POLAND	771015	4527N	12427W	27950.5	43930.3	12473.2	191.	3.917	32738.	8.36	1.98	262.	33000.
USSR	77 822	4437N	12501W	27830.7	43934.4	12900.3	131.	1.750	14601.	8.34	1.59	40.	14641.
USSR	79 919	4431N	12454W	27833.9	43934.3	12945.4	104.	1.750	14573.	8.33	2.11	3247.	17820.
USSR	79 920	4307N	12504W	27670.3	43910.8	13635.1	235.	3.167	26367.	8.33	1.72	33.	26400.
USSR	79 927	4311N	12447W	27709.7	43917.3	13613.4	137.	2.167	18026.	8.32	0.79	14.	18040.
POLAND	771016	4507N	12424W	27932.8	43932.6	12630.2	198.	2.083	17333.	8.32	1.78	267.	17600.
USSR	7910 3	4355N	12453W	27779.3	43929.7	13242.3	109.	2.083	17325.	8.32	2.00	275.	17600.
POLAND	801018	4429N	12443W	27850.1	43934.6	12957.2	109.	2.000	16623.	8.31	2.16	97.	16720.
POLAND	771023	4503N	12433W	27912.6	43933.7	12671.1	180.	2.917	24236.	8.31	1.80	496.	24732.
POLAND	80 828	4302N	12452W	27681.9	43911.8	13655.0	120.	2.063	17311.	8.31	1.08	289.	17600.
USSR	77 9 5	4320N	12445W	27731.2	43921.3	13538.8	213.	2.917	24075.	8.25	1.69	125.	24200.
USSR	79 831	4357N	12441W	27804.5	43931.6	13226.0	55.	1.083	8941.	8.25	1.67	79.	9020.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	77 819	4354N	12452W	27779.5	43929.6	13250.7	77.	1.333	11000.	8.25	1.56	0.	11000.
USSR	79 928	4335N	12437W	27774.3	43927.6	13414.5	137.	2.417	19925.	8.24	1.91	315.	20240.
USSR	79 819	4333N	12432W	27768.8	43926.9	13431.3	82.	1.333	10992.	6.24	1.92	8.	11000.
USSR	77 917	4449N	12427W	27905.5	43934.3	12781.5	90.	1.333	10989.	8.24	2.24	11.	11000.
POLAND	80 921	4306N	12452W	27690.2	43913.7	13651.8	197.	2.667	21946.	8.23	1.25	54.	22000.
USSR	79 9 8	4311N	12456W	27692.9	43914.9	13607.6	213.	2.667	21940.	8.23	1.72	60.	22000.
POLAND	80 913	4726N	12447W	28028.7	43909.2	11743.9	71.	4.000	32617.	8.20	2.07	183.	33000.
POLAND	79 9 6	4430N	12446W	27842.8	43934.5	12951.0	109.	2.417	19765.	8.18	1.90	35.	19800.
USSR	7910 5	4408N	12454W	27798.6	43931.9	13134.4	57.	1.583	12935.	8.17	2.12	265.	13200.
USSR	79 917	4312N	12453W	27700.5	43916.2	13601.2	115.	2.167	17690.	8.16	1.76	3210.	20900.
POLAND	8010 3	4347N	12433W	27802.9	43930.8	13312.3	104.	6.417	52362.	8.16	1.43	6576.	58938.
USSR	79 924	4313N	12452W	27704.3	43916.9	13593.5	164.	1.333	10874.	8.16	1.76	127.	11000.
USSR	79 919	4436N	12433W	27977.6	43934.9	12894.1	55.	1.750	14266.	8.15	1.85	34.	14300.
USSR	79 930	4315N	12507W	27681.1	43913.8	13568.0	416.	1.833	14929.	8.14	1.80	31.	14960.
USSR	77 9 9	4332N	12441W	27761.3	43926.0	13438.8	224.	2.667	21712.	8.14	1.54	288.	22000.
USSR	78 821	4345N	12434W	27797.6	43930.3	13329.4	77.	1.083	8600.	8.12	1.51	0.	8800.
USSR	77 9 2	4331N	12436W	27769.1	43926.7	13449.2	137.	2.250	18245.	8.11	1.69	147.	18392.
POLAND	79 912	4500N	12428W	27917.5	43933.6	12691.2	169.	2.167	17565.	8.11	1.93	35.	17600.
USSR	78 911	4413N	12457W	27801.5	43932.3	13093.6	131.	3.250	26289.	8.09	1.56	111.	26400.
POLAND	78 912	4355N	12450W	27784.7	43930.1	13242.5	126.	1.750	14151.	8.09	1.53	1689.	15840.
USSR	77 910	4345N	12445W	27778.6	43928.9	13318.8	257.	2.167	17505.	8.08	1.56	95.	17600.
POLAND	77 9 8	4421N	12449W	27827.8	43933.8	13025.7	175.	2.667	21542.	8.08	1.63	458.	22000.
USSR	77 915	4424N	12443W	27832.2	43934.1	13000.9	109.	1.417	11439.	8.07	1.70	9329.	20768.
POLAND	7810 7	4722N	12449W	28023.1	43910.7	11767.5	87.	3.583	28924.	8.07	1.94	15736.	44660.
USSR	78 820	4355N	12438W	27806.8	43931.6	13243.1	71.	3.000	24200.	8.07	1.50	0.	24200.
USSR	79 920	4452N	12431W	27902.3	43934.3	12759.5	104.	1.083	8725.	8.05	2.16	75.	8800.
USSR	77 828	4436N	12446W	27854.8	43934.8	12900.8	175.	2.167	17432.	8.05	1.69	168.	17600.
USSR	79 928	4340N	12433W	27790.9	43929.4	13372.7	95.	1.583	12719.	8.03	1.92	41.	12760.
USSR	79 9 1	4356N	12434W	27815.9	43932.2	13234.7	93.	2.083	16712.	8.02	1.06	8.	16720.
USSR	79 926	4420N	12456W	27814.1	43933.2	13036.0	126.	2.750	22000.	8.00	1.87	660.	22660.
USSR	7810 9	4444N	12437W	27981.4	43934.8	12829.7	66.	2.750	21986.	8.00	1.72	14.	22000.
POLAND	80 915	4456N	12426W	27916.1	43933.8	12722.5	137.	3.583	28471.	7.95	1.94	129.	28600.
USSR	79 929	4303N	12448W	27691.6	43913.4	13679.7	137.	1.833	14555.	7.94	1.74	185.	14740.
POLAND	77 9 6	4427N	12436W	27859.6	43934.3	12971.1	142.	1.333	10577.	7.93	1.65	423.	11000.
POLAND	79 913	4515N	12421W	27947.2	43931.3	12562.0	164.	1.917	15197.	7.93	1.95	203.	15400.
USSR	78 830	4350N	12434W	27806.0	43931.2	13266.3	82.	1.667	13200.	7.92	1.50	0.	13200.
USSR	77 9 1	4346N	12430W	27791.7	43929.9	13320.0	202.	3.333	26397.	7.92	1.54	3.	26400.
USSR	79 919	4301N	12502W	27661.5	43908.3	13685.6	153.	2.917	23086.	7.92	2.02	12.	23100.
POLAND	78 920	4342N	12433W	27794.4	43929.8	13355.5	120.	1.667	13192.	7.92	1.50	8.	13200.
POLAND	79 928	4423N	12452W	27834.4	43934.3	12960.9	120.	1.667	13189.	7.91	2.07	11.	13200.
USSR	77 916	4435N	12440W	27863.8	43934.9	12906.0	109.	1.667	13188.	7.91	1.78	12.	13200.
USSR	77 821	4423N	12448W	27832.5	43934.1	13008.8	93.	1.667	13173.	7.90	1.67	28.	13200.
USSR	7910 3	4420N	12454W	27826.5	43933.9	12986.2	137.	0.833	6581.	7.90	2.20	19.	6600.
POLAND	80 9 6	4409N	12457W	27795.2	43931.7	13126.5	109.	1.083	8554.	7.90	1.54	246.	8800.
POLAND	80 829	4403N	12456W	27783.7	43930.6	13176.0	137.	1.667	13156.	7.89	1.38	44.	13200.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	79 926	4306N	12449W	27695.8	43914.6	13653.9	115.	0.833	6574.	7.89	0.90	26.	6600.
USSR	77 9 6	4319N	12445W	27729.3	43921.0	13547.2	150.	2.750	21681.	7.88	1.59	319.	22000.
USSR	79 824	4416N	12428W	27858.2	43934.6	13062.1	41.	1.667	13132.	7.88	2.05	68.	13200.
USSR	78 911	4409N	12457W	27795.2	43931.7	13126.5	120.	2.500	19675.	7.87	1.61	125.	19800.
POLAND	79 019	4402N	12430W	27833.1	43933.3	13183.1	60.	1.750	13761.	7.86	1.98	99.	13850.
USSR	79 9 8	4443N	12427W	27897.7	43934.6	12831.8	55.	0.833	6524.	7.83	2.09	76.	6600.
POLAND	80 9 6	4427N	12446W	27841.9	43934.4	12975.0	93.	2.000	15630.	7.82	1.76	1970.	17600.
USSR	7910 1	4401N	12442W	27809.2	43932.1	13192.0	55.	2.667	20793.	7.80	1.98	107.	20900.
POLAND	80 915	4405N	12450W	27795.3	43931.7	13134.6	82.	3.250	25340.	7.80	1.54	1060.	26400.
USSR	79 922	4443N	12450W	27847.6	43934.8	12849.5	191.	2.250	17538.	7.79	1.83	62.	17600.
POLAND	80 027	4419N	12452W	27819.5	43933.4	13043.1	122.	3.083	24029.	7.79	1.80	171.	24200.
USSR	77 910	4314N	12446W	27717.6	43918.8	13588.8	437.	2.083	16217.	7.78	1.65	261.	16478.
USSR	77 9 9	4320N	12445W	27731.2	43921.3	13538.8	410.	3.083	23963.	7.77	1.63	237.	24200.
POLAND	801010	4335N	12441W	27756.7	43920.9	13413.2	175.	4.500	34969.	7.77	1.87	451.	35420.
POLAND	80 924	4342N	12437W	27786.7	43929.2	13354.5	115.	3.333	25887.	7.77	1.39	73.	25960.
USSR	78 917	4426N	12436W	27854.6	43934.7	12980.3	77.	2.250	17440.	7.75	1.67	160.	17600.
USSR	77 9 3	4337N	12439W	27774.1	43927.7	13396.8	210.	2.833	21953.	7.75	1.58	47.	22000.
USSR	7910 5	4400N	12453W	27787.7	43930.7	13200.7	55.	2.833	21930.	7.74	1.94	70.	22000.
USSR	79 826	4438N	12437W	27783.3	43934.9	12879.5	87.	1.417	10963.	7.74	1.96	37.	11000.
USSR	79 929	4311N	12447W	27709.7	43917.3	13613.4	137.	3.500	27024.	7.72	0.75	36.	27060.
POLAND	79 826	4449N	12433W	27895.0	43934.6	12785.7	96.	0.917	7076.	7.72	2.15	184.	7260.
USSR	79 921	4312N	12500W	27587.6	43914.3	13596.8	230.	3.417	26373.	7.72	1.87	27.	26400.
USSR	79 9 4	4416N	12452W	27814.9	43933.1	13067.9	82.	1.417	10924.	7.71	1.74	76.	11000.
POLAND	78 911	4357N	12450W	27788.1	43930.5	13225.7	115.	1.250	9638.	7.71	1.59	42.	9680.
USSR	77 822	4336N	12437W	27779.7	43928.3	13368.8	148.	2.833	21825.	7.70	1.48	175.	22000.
USSR	79 816	4352N	12447W	27785.2	43929.9	13267.9	44.	2.000	15400.	7.70	1.85	0.	15400.
USSR	77 9 7	4312N	12447W	27711.7	43917.7	13605.0	164.	2.833	21804.	7.70	1.50	196.	22000.
USSR	79 824	4303N	12507W	27656.7	43907.9	13665.5	137.	2.583	19679.	7.70	1.39	361.	20240.
USSR	79 921	4441N	12454W	27848.1	43934.8	12864.4	219.	1.417	10399.	7.69	1.80	101.	11000.
USSR	79 916	4401N	12432W	27827.8	43933.0	13191.8	71.	3.000	23074.	7.69	1.83	26.	23100.
POLAND	781013	4441N	12431W	27887.9	43934.8	12851.0	126.	2.500	19219.	7.69	1.74	1241.	20460.
POLAND	7910 2	4435N	12451W	27844.8	43934.6	12911.4	197.	3.667	28180.	7.69	1.89	420.	28600.
POLAND	80 911	4723N	12445W	28029.1	43909.4	11754.5	38.	3.250	24975.	7.68	2.11	8025.	33000.
POLAND	80 9 3	4427N	12434W	27863.2	43934.6	12970.3	59.	2.000	15341.	7.67	1.89	59.	15400.
POLAND	7910 4	4435N	12436W	27870.9	43934.9	12994.0	115.	2.000	15296.	7.65	2.21	105.	15400.
USSR	79 928	4311N	12447W	27709.7	43917.3	13613.4	109.	1.833	14009.	7.64	1.01	71.	14080.
POLAND	79 918	4555N	12427W	27979.5	43925.5	12261.1	115.	1.083	8258.	7.62	1.67	102.	8360.
USSR	78 829	4358N	12446W	27793.3	43930.9	13217.4	98.	3.417	26033.	7.62	1.55	367.	26400.
USSR	79 822	4404N	12502W	27778.4	43930.3	13168.1	38.	3.417	25969.	7.60	1.92	431.	26400.
USSR	79 9 8	4341N	12433W	27792.6	43929.6	13364.1	77.	2.167	16459.	7.60	1.78	41.	16500.
POLAND	79 831	4401N	12457W	27782.2	43930.3	13192.5	77.	4.333	32899.	7.59	1.89	101.	33000.
USSR	78 822	4348N	12433W	27804.6	43931.0	13303.7	71.	2.833	21485.	7.58	1.58	515.	22000.
POLAND	7810 8	4715N	12454W	28011.1	43913.7	11812.7	71.	4.000	30283.	7.57	1.94	3157.	33440.
POLAND	80 9 1	4452N	12424W	27914.6	43933.9	12754.3	74.	1.833	13862.	7.56	1.89	12538.	26400.
USSR	77 9 3	4331N	12439W	27763.3	43926.1	13448.1	169.	3.000	22637.	7.55	1.65	3763.	26400.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 15 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	79 822	4404N	12502W	27778.4	43930.3	13168.1	77.	1.167	8797.	7.54	1.98	3.	8800.
USSR	78 9 3	4344N	12434W	27795.9	43930.1	13330.0	109.	0.583	4396.	7.54	1.52	4.	4400.
USSR	79 10 3	4413N	12454W	27806.7	43932.6	13093.1	66.	1.583	11931.	7.54	1.96	169.	12100.
USSR	79 9 8	4510N	12420W	27950.0	43931.0	12552.8	93.	2.333	17581.	7.53	2.01	19.	17600.
USSR	78 10 9	4430N	12459W	27832.7	43934.4	12907.3	109.	1.750	13173.	7.53	2.69	27.	13200.
USSR	78 827	4400N	12456W	27782.3	43930.3	13200.7	82.	3.500	26327.	7.52	1.76	73.	26400.
USSR	79 928	4442N	12437W	27878.7	43934.9	12846.3	104.	2.917	21931.	7.52	1.98	69.	22000.
USSR	79 924	4400N	12440W	27811.2	43932.2	13200.5	33.	2.000	15030.	7.51	1.98	370.	15400.
POLAND	77 10 11	4441N	12436W	27875.6	43934.9	12655.2	100.	3.500	26301.	7.51	1.94	99.	26400.
USSR	77 9 10	4309N	12453W	27694.4	43914.8	13626.1	235.	1.750	13147.	7.51	1.65	53.	13200.
USSR	77 9 10	4347N	12445W	27780.3	43929.1	13310.3	257.	1.750	13144.	7.51	1.53	56.	13200.
USSR	78 817	4414N	12428W	27855.3	43934.4	13079.3	33.	3.500	26286.	7.51	1.61	114.	26400.
USSR	77 9 11	4320N	12445W	27731.2	43921.3	13538.8	410.	2.833	21213.	7.49	1.87	787.	22000.
USSR	77 828	4441N	12444W	27865.2	43934.9	12858.6	180.	2.333	17456.	7.48	1.61	144.	17600.
USSR	79 9 14	4446N	12428W	27903.4	43934.4	12806.0	55.	2.500	18695.	7.48	2.16	5.	18700.
USSR	79 921	4450N	12425W	27910.3	43934.1	12771.7	60.	1.333	9966.	7.47	2.00	1034.	11000.
USSR	77 831	4355N	12448W	27788.4	43930.4	13242.6	66.	2.333	17434.	7.47	1.65	276.	17710.
USSR	79 9 17	4440N	12430W	27888.4	43934.8	12858.8	55.	2.333	17422.	7.47	1.78	178.	17600.
POLAND	80 10 20	4400N	12457W	27780.6	43930.2	13200.8	126.	3.500	26128.	7.47	2.11	272.	26400.
USSR	77 830	4357N	12454W	27780.9	43930.0	13225.6	87.	1.167	8701.	7.46	1.91	99.	8800.
USSR	77 9 2	4340N	12438W	27781.3	43928.5	13371.4	137.	2.917	21751.	7.46	1.58	249.	22000.
USSR	77 9 14	4414N	12457W	27803.1	43932.4	13035.4	118.	1.750	13042.	7.45	2.00	158.	13200.
POLAND	78 820	4407N	12427W	27846.6	43934.0	13139.6	68.	7.383	54961.	7.44	1.63	39.	55000.
USSR	77 822	4432N	12443W	27854.4	43934.7	12932.3	137.	2.167	16103.	7.43	1.48	290.	16399.
POLAND	80 10 4	4357N	12436W	27813.8	43932.1	13226.1	115.	1.500	11147.	7.43	1.63	73.	11220.
USSR	77 827	4432N	12442W	27856.1	43934.8	12931.8	175.	2.333	17323.	7.42	1.65	277.	17600.
USSR	79 10 1	4312N	12459W	27689.4	43914.6	13597.4	437.	3.167	23502.	7.42	1.72	478.	23980.
POLAND	79 9 11	4520N	12426W	27944.4	43931.2	12527.3	169.	2.917	21582.	7.40	1.92	418.	22000.
USSR	79 8 17	4413N	12437W	27837.1	43933.9	13089.7	49.	2.083	15400.	7.39	1.83	0.	15400.
POLAND	79 10 5	4431N	12438W	27851.8	43934.8	12938.4	115.	1.983	14660.	7.39	2.29	80.	14740.
USSR	79 10 1	4355N	12449W	27788.2	43930.4	13234.1	60.	3.083	22786.	7.39	1.94	92.	22880.
USSR	77 829	4432N	12445W	27950.9	43934.7	12933.2	115.	1.750	12928.	7.39	1.65	272.	13200.
USSR	79 828	4304N	12449W	27691.7	43913.6	13670.6	153.	4.500	33189.	7.38	1.74	295.	33484.
POLAND	80 9 19	4428N	12436W	27957.5	43934.7	12963.5	131.	2.917	21499.	7.37	1.56	501.	22000.
USSR	77 9 8	4333N	12440W	27765.0	43926.5	13430.6	252.	2.083	15349.	7.37	1.47	51.	15400.
USSR	77 9 8	4332N	12442W	27759.4	43925.9	13438.4	241.	2.333	17190.	7.37	1.52	410.	17600.
USSR	77 9 4	4339N	12440W	27775.7	43928.1	13379.4	213.	2.083	15340.	7.36	2.64	61.	15400.
POLAND	80 9 10	4722N	12445W	28028.4	43909.7	11759.4	77.	5.333	39184.	7.35	2.00	416.	39600.
USSR	77 9 1	4352N	12438W	27800.2	43930.9	13277.3	153.	2.250	16482.	7.33	1.45	1118.	17600.
USSR	79 9 10	4409N	12454W	27800.4	43932.0	13126.1	60.	1.500	10987.	7.32	1.85	13.	11000.
POLAND	78 820	4349N	12430W	27812.0	43931.5	13295.5	68.	4.500	32952.	7.32	1.72	48.	33000.
POLAND	77 10 14	4512N	12422W	27942.1	43931.8	12587.4	172.	6.000	43899.	7.32	1.88	101.	44000.
USSR	78 827	4353N	12444W	27792.3	43930.5	13259.7	109.	1.500	10974.	7.32	1.61	26.	11000.
USSR	79 9 12	4359N	12454W	27784.2	43930.3	13209.0	77.	1.500	10967.	7.31	1.78	33.	11000.
USSR	78 9 4	4342N	12433W	27794.4	43929.8	13355.5	82.	1.500	10967.	7.31	1.47	33.	11000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	77 827	4430N	12459W	27858.6	43934.8	12947.2	175.	3.000	21933.	7.31	1.65	67.	22000.
POLAND	801021	4354N	12459W	27767.0	43928.6	13250.3	175.	3.000	21908.	7.30	2.02	92.	22000.
POLAND	80 828	4428N	12445W	27845.1	43934.5	12966.3	126.	2.833	20666.	7.29	1.83	234.	20900.
POLAND	801010	4403N	12455W	27769.0	43931.0	13175.9	137.	1.500	10940.	7.29	1.89	61.	11000.
USSR	77 915	4442N	12435W	27882.2	43934.8	12845.1	93.	2.083	15193.	7.29	1.99	207.	15400.
USSR	78 816	4421N	12449W	27827.8	43933.8	13025.7	92.	2.417	17600.	7.28	1.61	0.	17600.
USSR	79 9 4	4304N	12442W	27693.5	43913.9	13671.4	137.	3.000	21810.	7.27	1.45	190.	22000.
USSR	78 819	4354N	12442W	27797.7	43930.9	13251.4	77.	3.000	21809.	7.27	1.50	191.	22000.
USSR	77 915	4443N	12435W	27883.6	43934.8	12836.8	90.	1.500	10893.	7.26	1.95	107.	11000.
POLAND	79 929	4423N	12449W	27830.8	43934.0	13009.2	180.	1.500	10892.	7.26	2.00	108.	11000.
USSR	79 920	4306N	12501W	27673.6	43911.2	13645.4	191.	2.000	14514.	7.26	1.62	226.	14740.
USSR	77 9 5	4320N	12445W	27731.2	43921.3	13538.8	208.	2.417	17535.	7.26	0.17	65.	17600.
POLAND	80 828	4302N	12453W	27680.1	43911.5	13684.2	137.	3.000	21761.	7.25	1.17	239.	22000.
USSR	79 9 9	4351N	12432W	27811.5	43931.6	13279.0	66.	3.000	21729.	7.24	1.39	271.	22000.
USSR	79 829	4309N	12500W	27681.6	43912.9	13621.4	137.	1.500	10861.	7.24	1.32	139.	11000.
POLAND	781023	4512N	12418W	27948.9	43931.3	12583.2	93.	2.417	17480.	7.23	1.90	120.	17600.
USSR	78 828	4352N	12444W	27790.7	43930.3	13268.2	93.	1.500	10849.	7.23	1.63	151.	11000.
POLAND	7810 2	4705N	12457W	27999.1	43916.8	11871.1	85.	1.667	12014.	7.21	1.79	86.	12100.
USSR	77 9 2	4342N	12439W	27782.9	43928.9	13354.0	208.	2.417	17404.	7.20	1.63	196.	17600.
USSR	77 819	4358N	12456W	27775.7	43929.5	13233.9	93.	2.667	19181.	7.19	1.55	36.	19217.
POLAND	80 827	4310N	12445W	27709.6	43917.1	13622.5	82.	1.250	8987.	7.19	1.25	2013.	11000.
POLAND	771020	4513N	12435W	27924.6	43932.7	12590.6	219.	5.917	42536.	7.19	1.97	144.	42630.
POLAND	78 9 5	4345N	12438W	27790.0	43929.7	13328.6	120.	3.083	22151.	7.18	1.44	69.	22220.
USSR	7910 1	4443N	12431W	27890.6	43934.7	12834.3	62.	1.833	13165.	7.18	2.10	35.	13200.
POLAND	78 914	4359N	12458W	27777.2	43929.6	13209.0	137.	1.833	13149.	7.17	1.54	51.	13200.
POLAND	79 926	4426N	12453W	27831.2	43934.1	12969.5	230.	1.833	13142.	7.17	1.76	58.	13200.
USSR	79 922	4425N	12454W	27825.1	43933.9	12994.4	175.	0.917	6570.	7.17	1.91	30.	6600.
USSR	79 9 7	4307N	12442W	27699.8	43915.3	13646.3	131.	1.833	13122.	7.16	1.76	298.	13420.
USSR	77 821	4420N	12450W	27824.5	43933.7	13034.3	109.	3.500	25051.	7.16	1.70	183.	25234.
POLAND	80 821	4442N	12424W	27911.8	43934.5	12638.4	68.	4.000	28628.	7.16	2.11	5802.	34430.
USSR	77 919	4452N	12429W	27905.8	43934.2	12758.0	137.	0.917	6541.	7.14	1.83	59.	6600.
USSR	78 824	4356N	12432W	27819.7	43932.4	13234.8	55.	1.833	13068.	7.13	1.63	132.	13200.
POLAND	7810 3	4713N	12440W	28017.5	43912.7	11811.1	71.	2.500	17808.	7.12	1.86	232.	18040.
USSR	79 827	4422N	12428W	27867.0	43934.8	13010.7	49.	3.333	23709.	7.11	2.07	711.	24420.
USSR	79 830	4356N	12435W	27814.1	43932.1	13234.7	55.	3.083	21927.	7.11	1.87	73.	22000.
USSR	79 918	4432N	12432W	27873.9	43934.9	12927.2	55.	1.667	11839.	7.10	1.83	41.	11880.
USSR	78 818	4355N	12436W	27810.5	43931.8	13243.2	77.	1.500	10647.	7.10	1.47	2993.	13640.
POLAND	80 914	4438N	12437W	27873.3	43934.9	12879.5	137.	3.083	21883.	7.10	1.83	117.	22090.
POLAND	801020	4409N	12457W	27795.2	43931.7	13126.5	98.	3.833	27204.	7.10	2.13	76.	27280.
POLAND	79 924	4422N	12451W	27825.6	43933.8	13018.1	219.	2.167	15347.	7.08	1.86	53.	15400.
USSR	79 822	4311N	12442W	27707.8	43917.0	13612.7	109.	1.917	13576.	7.08	1.78	64.	13640.
USSR	79 817	4411N	12502W	27789.7	43931.5	13110.9	164.	2.417	17107.	7.08	1.72	53.	17160.
USSR	79 9 5	4333N	12437W	27770.7	43927.0	13431.7	98.	2.167	15321.	7.07	1.43	79.	15400.
USSR	7910 3	4347N	12433W	27802.9	43930.8	13312.3	93.	2.500	17661.	7.06	1.50	379.	18040.
USSR	78 829	4355N	12455W	27775.8	43929.4	13242.2	109.	1.833	12947.	7.06	1.54	253.	13200.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	78 918	4427N	12437W	27857.8	43934.7	12971.5	77.	2.167	15278.	7.05	1.78	122.	15400.
USSR	79 915	4439N	12434W	27879.9	43934.9	12809.5	77.	2.583	18211.	7.05	2.07	50.	18260.
POLAND	78 918	4355N	12433W	27816.2	43932.1	13243.4	87.	1.750	12316.	7.04	1.66	4.	12320.
USSR	79 917	4438N	12447W	27855.9	43934.8	12864.9	131.	2.000	14070.	7.04	1.85	10.	14080.
USSR	77 9 9	4333N	12441W	27763.1	43926.3	13430.2	227.	2.167	15241.	7.03	1.65	159.	15400.
POLAND	79 824	4415N	12427W	27858.6	43934.5	13070.5	41.	7.250	50979.	7.03	1.99	61.	51040.
USSR	79 925	4336N	12434W	27781.9	43928.3	13406.9	131.	2.000	14056.	7.03	1.65	244.	14300.
USSR	79 923	4355N	12456W	27774.0	43929.3	13242.2	175.	1.833	12875.	7.02	1.76	965.	13860.
USSR	79 822	4408N	12430W	27842.5	43933.9	13131.3	41.	2.667	18700.	7.01	2.00	0.	18700.
POLAND	80 926	4332N	12437W	27768.9	43926.8	13440.3	96.	1.750	12267.	7.01	1.36	53.	12320.
USSR	79 910	4359N	12432W	27624.6	43932.8	13209.0	60.	2.917	20442.	7.01	1.23	18.	20460.
USSR	77 9 7	4321N	12446W	27731.2	43921.5	13529.8	131.	0.917	6424.	7.01	1.72	176.	6600.
POLAND	80 917	4418N	12453W	27816.2	43933.3	13051.6	120.	4.500	31528.	7.01	1.61	1472.	33000.
USSR	79 825	4418N	12453W	27816.2	43933.3	13051.6	137.	1.583	11083.	7.00	2.00	137.	11220.
USSR	77 914	4410N	12457W	27796.8	43931.9	13118.3	112.	1.250	8749.	7.00	2.00	51.	8800.
POLAND	80 913	4406N	12456W	27792.1	43931.3	13151.1	74.	1.583	11052.	6.98	1.50	388.	11440.
USSR	77 825	4402N	12426W	27836.9	43933.5	13183.0	109.	2.167	15068.	6.95	1.80	332.	15400.
POLAND	80 921	4420N	12445W	27842.2	43934.4	12982.9	109.	5.167	35899.	6.95	2.02	8101.	44000.
USSR	79 9 8	4351N	12432W	27811.5	43931.6	13278.0	60.	3.167	22000.	6.95	1.61	440.	22440.
USSR	79 910	4408N	12452W	27802.4	43932.1	13134.1	55.	1.750	12153.	6.94	2.05	167.	12320.
USSR	77 911	4309N	12450W	27700.0	43915.6	13628.2	153.	1.583	10967.	6.93	1.91	33.	11000.
USSR	79 910	4352N	12447W	27785.2	43929.9	13267.9	55.	3.167	21929.	6.92	1.89	72.	22000.
POLAND	80 915	4406N	12457W	27790.4	43931.2	13151.2	98.	5.667	39239.	6.92	1.77	361.	39600.
USSR	79 917	4428N	12454W	27829.5	43934.1	12969.9	137.	2.250	15566.	6.92	1.98	54.	15620.
POLAND	77 911	4446N	12436W	27885.8	43934.8	12812.6	90.	4.583	31673.	6.91	1.91	227.	31900.
POLAND	77 915	4516N	12423W	27944.9	43931.4	12556.0	175.	3.167	21635.	6.90	1.85	165.	22000.
POLAND	80 829	4422N	12449W	27829.3	43933.9	13017.4	85.	3.333	22970.	6.89	1.85	350.	23320.
POLAND	79 925	4428N	12453W	27831.2	43934.1	12969.5	219.	3.167	21809.	6.89	1.93	191.	22000.
POLAND	79 910	4423N	12450W	27829.0	43933.9	13009.5	191.	1.083	7461.	6.89	2.10	19.	7480.
POLAND	80 919	4401N	12458W	27760.5	43930.2	13192.5	109.	3.833	26329.	6.87	1.31	72.	26400.
USSR	77 829	4357N	12457W	27775.6	43929.6	13225.6	60.	3.833	26311.	6.86	1.70	69.	26400.
POLAND	78 911	4355N	12435W	27812.4	43931.9	13243.3	115.	1.917	13142.	6.86	1.53	58.	13200.
USSR	77 910	4311N	12448W	27707.8	43917.0	13612.7	180.	1.917	13137.	6.85	1.91	63.	13200.
POLAND	90 916	4423N	12446W	27832.5	43934.1	13008.8	120.	3.000	20561.	6.85	1.78	1439.	22000.
USSR	77 821	4412N	12453W	27801.7	43932.3	13101.7	87.	2.250	15401.	6.85	1.56	357.	15759.
USSR	77 820	4409N	12428W	27847.7	43934.1	13122.5	191.	2.500	17082.	6.83	1.82	518.	17600.
USSR	79 917	4344N	12437W	27790.2	43929.7	13337.4	186.	2.583	17636.	6.83	1.65	844.	18480.
POLAND	80 9 2	4407N	12457W	27792.0	43931.4	13143.0	101.	3.833	26098.	6.81	1.41	302.	26400.
USSR	79 924	4308N	12452W	27694.3	43914.7	13635.1	137.	2.583	17553.	6.79	1.76	47.	17600.
POLAND	80 9 2	4405N	12457W	27790.4	43931.2	13151.2	55.	4.417	30005.	6.79	1.52	2995.	33000.
POLAND	80 825	4415N	12455W	27808.1	43932.7	13076.8	93.	0.560	3396.	6.79	1.84	9804.	13200.
USSR	79 918	4302N	12450W	27685.7	43912.4	13686.5	120.	2.167	14694.	6.78	1.58	46.	14740.
USSR	77 912	4310N	12448W	27705.8	43916.6	13621.1	153.	2.583	17513.	6.78	1.74	87.	17600.
USSR	77 9 3	4333N	12440W	27765.0	43926.5	13430.6	180.	2.667	18065.	6.77	1.53	327.	18392.
USSR	77 916	4448N	12431W	27897.2	43934.5	12792.6	115.	3.250	21997.	6.77	2.24	3.	22000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING				BYCATCH (LBS)	TOTAL CATCH (LBS)	
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR			SIZE LBS/FISH
POLAND	79 817	4412N	12458W	27798.2	43932.1	13102.0	175.	1.917	12963.	6.76	1.83	237.	13200.
USSR	7910 1	4408N	12454W	27798.8	43931.9	13134.4	82.	1.167	7890.	6.76	1.91	30.	7920.
USSR	77 9 3	4340N	12438W	27761.3	43928.6	13371.4	164.	2.583	17456.	6.76	1.55	144.	17600.
USSR	77 9 4	4334N	12439W	27768.7	43927.0	13422.4	202.	3.250	21849.	6.72	1.61	151.	22000.
USSR	79 911	4407N	12453W	27002.2	43932.1	13126.0	82.	1.750	11734.	6.71	1.52	29186.	40920.
USSR	7910 3	4354N	12434W	27812.7	43931.9	13251.9	49.	2.000	13374.	6.69	2.09	486.	13860.
POLAND	80 830	4408N	12452W	27802.4	43932.1	13134.1	169.	4.583	30645.	6.69	1.45	2355.	33000.
USSR	7910 5	4408N	12452W	27802.4	43932.1	13134.1	68.	2.500	16690.	6.68	2.00	30.	16720.
USSR	79 9 4	4317N	12509W	27681.5	43914.2	13550.6	148.	3.417	22794.	6.67	1.25	306.	23100.
USSR	78 824	4355N	12432W	27818.1	43932.3	13243.4	55.	2.167	14442.	6.67	1.61	3158.	17600.
USSR	77 831	4357N	12435W	27815.7	43932.2	13226.1	101.	1.250	8328.	6.66	1.91	472.	8800.
USSR	77 830	4355N	12445W	27793.8	43930.8	13242.7	82.	3.167	21091.	6.66	1.60	909.	22000.
USSR	79 924	4310N	12502W	27680.0	43912.9	13611.9	208.	2.333	15521.	6.65	1.42	99.	15620.
USSR	77 9 2	4340N	12440W	27777.5	43923.3	13370.9	164.	3.250	21583.	6.64	1.62	417.	22000.
USSR	7910 8	4716N	12446W	28022.5	43911.5	11791.6	148.	3.750	24857.	6.63	2.27	3743.	28600.
USSR	77 9 8	4315N	12446W	27719.6	43919.2	13580.4	164.	2.500	16520.	6.61	1.64	90.	16610.
USSR	77 9 8	4330N	12442W	27755.7	43925.3	13455.4	252.	2.000	13193.	6.60	1.69	7.	13200.
POLAND	78 922	4527N	12419W	27963.8	43929.2	12463.4	98.	1.333	8793.	6.59	1.75	7.	8800.
USSR	77 917	4448N	12432W	27895.4	43934.6	12793.3	104.	1.667	10982.	6.59	2.24	18.	11000.
USSR	78 825	4400N	12435W	27820.5	43932.6	13200.4	98.	2.000	13177.	6.59	1.67	23.	13200.
POLAND	79 820	4411N	12427W	27852.7	43934.3	13105.0	55.	2.000	13155.	6.58	2.05	45.	13200.
USSR	78 919	4312N	12447W	27711.7	43917.7	13605.0	77.	1.667	10956.	6.57	1.60	44.	11000.
USSR	77 822	4354N	12452W	27779.5	43929.6	13250.7	128.	2.000	13143.	6.57	1.63	57.	13200.
POLAND	80 830	4427N	12445W	27846.6	43934.6	12958.0	139.	1.667	10951.	6.57	1.87	50.	11000.
USSR	77 915	4431N	12438W	27861.8	43934.8	12938.4	77.	1.417	9308.	6.57	1.78	42.	9350.
USSR	79 826	4311N	12511W	27666.1	43910.8	13598.1	159.	2.500	16422.	6.57	1.69	78.	16500.
USSR	77 825	4432N	12445W	27850.9	43934.7	12933.2	164.	1.667	10947.	6.57	1.61	53.	11000.
USSR	79 822	4346N	12435W	27797.4	43930.4	13320.6	115.	0.667	4378.	6.57	1.72	22.	4400.
POLAND	79 918	4532N	12431W	27949.4	43930.1	12439.3	197.	4.333	28440.	6.56	1.82	160.	28600.
POLAND	80 9 6	4422N	12446W	27831.0	43934.0	13017.1	123.	2.500	16392.	6.56	1.85	106.	16500.
USSR	78 9 2	4344N	12435W	27794.0	43930.0	13337.8	82.	1.333	8727.	6.55	1.45	73.	8800.
USSR	78 9 1	4353N	12442W	27796.0	43930.6	13259.9	87.	1.000	6535.	6.54	1.61	65.	6600.
USSR	78 9 5	4357N	12448W	27791.7	43930.7	13225.8	87.	1.667	10887.	6.53	1.54	113.	11000.
USSR	77 9 8	4334N	12440W	27766.8	43926.8	13422.1	492.	3.000	19562.	6.53	1.45	218.	19800.
USSR	77 910	4311N	12447W	27799.7	43917.3	13613.4	164.	1.667	10874.	6.52	1.91	126.	11000.
POLAND	781010	4500N	12421W	27929.7	43933.0	12685.1	104.	2.500	16303.	6.52	1.68	197.	16500.
USSR	79 919	4432N	12433W	27872.1	43934.9	12927.7	55.	2.083	13579.	6.52	1.87	61.	13640.
POLAND	80 928	4353N	12433W	27812.9	43931.8	13260.6	98.	3.000	19551.	6.52	1.84	249.	19800.
USSR	77 823	4348N	12437W	27797.0	43930.5	13303.1	145.	2.333	15200.	6.51	1.55	200.	15400.
POLAND	80 829	4415N	12457W	27804.6	43932.6	13077.2	180.	2.833	18454.	6.51	1.41	26.	18480.
POLAND	801010	4328N	12440W	27755.8	43925.1	13473.3	159.	3.250	21115.	6.50	1.36	5725.	26840.
POLAND	80 925	4412N	12433W	27843.0	43934.1	13097.5	60.	2.833	18370.	6.48	1.99	12430.	30800.
USSR	79 9 7	4352N	12431W	27815.1	43931.9	13269.4	87.	2.333	15113.	6.48	1.69	67.	15180.
POLAND	77 824	4420N	12425W	27869.7	43934.8	13026.9	50.	1.917	12394.	6.47	1.74	31606.	44000.
USSR	73 9 2	4401N	12455W	27785.7	43930.6	13192.4	93.	1.500	9680.	6.45	1.61	16720.	26400.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 10 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
POLAND	771011	4440N	12436W	27677.8	43934.9	12862.3	134.	5.083	32774.	6.45	1.92	226.	33000.
POLAND	76 821	4411N	12427W	27852.7	43934.3	13105.0	66.	4.083	26318.	6.45	1.65	82.	26400.
USSR	79 9 7	4303N	12508W	27655.0	43907.6	13664.8	164.	2.250	14493.	6.44	1.50	27.	14520.
POLAND	78 927	4702N	12456W	27997.9	43917.2	11885.4	115.	1.500	9651.	6.43	1.65	5749.	15400.
POLAND	801014	4300N	12451W	27879.6	43911.1	13702.4	164.	1.583	10165.	6.42	1.65	175.	10340.
POLAND	78 822	4412N	12426W	27856.0	43934.4	13096.2	68.	6.850	43971.	6.42	1.54	29.	44000.
USSR	77 829	4357N	12456W	27777.3	43929.7	13225.6	109.	1.000	6417.	6.42	1.70	183.	6600.
USSR	79 913	4445N	12438W	27881.0	43934.8	12822.1	153.	1.750	11216.	6.41	2.11	4.	11220.
POLAND	80 912	4707N	12444W	28012.1	43913.2	11834.8	57.	2.667	17076.	6.40	1.80	524.	17600.
USSR	79 9 4	4302N	12508W	27652.9	43907.1	13672.9	164.	2.500	16003.	6.40	1.85	277.	16280.
USSR	79 917	4343N	12437W	27788.4	43929.5	13345.9	197.	1.750	11146.	6.37	1.74	294.	11440.
POLAND	78 914	4403N	12457W	27793.6	43931.6	13134.8	109.	0.750	4771.	6.36	1.50	69.	4840.
POLAND	771013	4528N	12429W	27948.3	43930.4	12467.8	197.	5.083	32290.	6.35	1.60	710.	33000.
USSR	79 825	4419N	12427W	27864.5	43934.7	13036.1	38.	2.333	14813.	6.35	2.44	587.	15400.
USSR	78 820	4356N	12456W	27777.5	43929.6	13233.9	66.	3.333	21153.	6.35	1.67	847.	22000.
USSR	79 9 7	4347N	12431W	27806.8	43931.1	13312.7	87.	2.417	15305.	6.33	1.65	95.	15400.
USSR	79 816	4411N	12436W	27832.3	43933.7	13106.9	33.	2.083	13174.	6.32	2.18	26.	13200.
USSR	79 923	4400N	12456W	27782.3	43930.3	13200.7	159.	2.750	17365.	6.31	1.96	15.	17380.
USSR	77 817	4352N	12452W	27776.1	43929.2	13267.4	93.	2.417	15238.	6.31	1.63	162.	15400.
USSR	77 824	4358N	12432W	27823.0	43932.7	13217.6	55.	0.833	5244.	6.29	1.78	212.	5456.
POLAND	781027	4416N	12453W	27899.7	43932.9	13068.6	142.	2.417	15204.	6.29	1.72	196.	15400.
USSR	79 9 4	4310N	12449W	27703.9	43916.4	13620.5	156.	2.750	17291.	6.29	1.72	309.	17600.
USSR	79 917	4420N	12454W	27829.5	43934.1	12969.9	137.	3.500	21986.	6.28	1.39	14.	22000.
USSR	79 9 2	4356N	12448W	27790.0	43930.6	13234.2	55.	1.750	10987.	6.28	1.87	13.	11000.
USSR	79 822	4355N	12442W	27799.4	43931.1	13242.9	87.	1.750	10970.	6.27	2.09	30.	11000.
USSR	79 924	4359N	12456W	27780.7	43930.0	13209.0	159.	1.917	12013.	6.27	1.96	87.	12100.
POLAND	79 911	4519N	12425W	27944.9	43931.2	12534.2	164.	2.750	17224.	6.26	1.95	376.	17600.
USSR	781024	4424N	12447W	27835.7	43934.2	13000.2	142.	1.750	10960.	6.26	1.67	40.	11000.
POLAND	79 819	4405N	12430W	27837.8	43933.6	13157.2	52.	3.583	22435.	6.26	2.13	1765.	24200.
USSR	77 920	4502N	12426W	27923.4	43933.2	12673.0	115.	1.750	10956.	6.26	1.72	44.	11000.
USSR	79 910	4353N	12431W	27916.7	43932.1	13280.8	36.	3.500	21890.	6.25	1.54	110.	22000.
USSR	79 921	4311N	12449W	27705.9	43916.8	13612.1	115.	2.917	18217.	6.25	1.23	43.	18260.
USSR	79 912	4457N	12427W	27915.5	43933.8	12715.0	131.	1.750	10907.	6.23	1.91	93.	11000.
POLAND	7810 2	4704N	12456W	27999.6	43916.8	11874.5	93.	1.500	9346.	6.23	1.84	114.	9460.
USSR	79 9 3	4345N	12434W	27797.6	43930.3	13329.4	82.	2.917	18130.	6.22	1.25	350.	18480.
USSR	78 830	4348N	12434W	27802.7	43930.9	13303.6	98.	1.417	8800.	6.21	1.50	0.	8800.
POLAND	801014	4312N	12449W	27707.9	43917.2	13603.7	170.	2.667	16559.	6.21	1.65	161.	16720.
POLAND	80 9 5	4357N	12429W	27827.1	43932.8	13226.3	68.	2.083	12913.	6.20	1.91	287.	13200.
USSR	79 9 5	4356N	12452W	27792.8	43930.0	13234.0	93.	7.083	43902.	6.20	1.96	98.	44000.
USSR	79 925	4353N	12434W	27806.0	43931.2	13286.3	98.	3.333	20659.	6.20	1.76	21.	20680.
POLAND	79 817	4410N	12458W	27795.0	43931.8	13118.4	169.	2.833	17547.	6.19	1.76	53.	17600.
POLAND	80 920	4434N	12439W	27864.2	43934.9	12913.8	109.	3.500	21657.	6.19	1.69	343.	22000.
USSR	79 925	4412N	12454W	27805.2	43932.4	13101.3	60.	2.833	17530.	6.19	2.11	70.	17600.
USSR	7910 4	4353N	12443W	27794.2	43930.0	13259.8	55.	3.500	21642.	6.18	1.96	358.	22000.
POLAND	80 826	4407N	12458W	27790.2	43931.3	13143.1	120.	3.333	20582.	6.17	1.68	318.	20900.

97

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAHLED					
USSR	7810 3	4421N	12451W	27824.3	43933.7	13026.3	126.	1.417	8737.	6.17	1.63	63.	8600.
USSR	79 913	4447N	12426W	27904.7	43934.4	12797.6	55.	2.063	12838.	6.16	1.63	3882.	16720.
USSR	79 9 7	4306N	12508W	27661.2	43909.2	13640.5	153.	2.833	17454.	6.16	1.08	146.	17600.
POLAND	7910 7	4728N	12452W	25023.8	43910.0	11744.3	71.	2.167	13279.	6.13	1.94	361.	13640.
USSR	79 824	4313N	12511W	27670.1	43911.8	13581.9	153.	2.250	13784.	6.13	1.58	76.	13860.
USSR	77 9 9	4315N	12446W	27719.5	43919.2	13580.4	164.	2.417	14770.	6.11	1.60	630.	15400.
POLAND	79 9 9	4520N	12426W	27944.4	43931.2	12527.3	146.	1.083	6593.	6.09	1.93	7.	6600.
POLAND	77 825	4415N	12436W	27842.0	43934.1	13072.6	55.	1.083	6592.	6.09	1.74	8.	6600.
USSR	79 827	4309N	12511W	27662.0	43909.8	13614.2	159.	2.667	16192.	6.07	1.58	1848.	18040.
POLAND	80 825	4357N	12458W	27773.8	43929.4	13225.5	104.	4.250	25773.	6.06	1.85	627.	26400.
POLAND	80 831	4416N	12456W	27807.9	43932.8	13068.8	115.	3.333	20207.	6.06	1.39	1793.	22000.
POLAND	801014	4308N	12449W	27699.9	43915.5	13637.2	109.	2.250	13609.	6.05	1.41	31.	13640.
POLAND	781029	4346N	12430W	27807.0	43931.0	13321.5	82.	1.167	7041.	6.04	1.72	29699.	36740.
USSR	77 817	4408N	12432W	27838.7	43933.8	13131.6	44.	2.917	17601.	6.03	1.56	65.	17666.
USSR	7810 9	4433N	12437W	27866.3	43934.9	12921.2	93.	2.167	13069.	6.03	1.69	131.	13200.
POLAND	80 913	4414N	12456W	27904.8	43932.5	13085.2	109.	1.833	11058.	6.03	1.65	382.	11440.
USSR	77 823	4433N	12440W	27868.0	43934.9	12881.1	109.	2.833	17074.	6.03	1.63	526.	17600.
USSR	79 919	4340N	12436W	27785.1	43928.9	13371.9	82.	2.917	17546.	6.02	1.72	54.	17600.
USSR	79 925	4425N	12454W	27826.5	43933.9	12986.2	148.	1.167	7013.	6.01	1.94	27.	7040.
USSR	79 925	4323N	12446W	27735.0	43922.2	13512.9	230.	1.750	10513.	6.01	2.07	487.	11000.
USSR	77 830	4357N	12457W	27775.6	43929.6	13225.6	77.	1.933	11000.	6.00	1.62	0.	11000.
USSR	79 9 7	4307N	12506W	27666.7	43910.3	13633.8	153.	3.667	22000.	6.00	1.45	440.	22440.
USSR	77 912	4349N	12442W	27789.3	43930.0	13293.8	546.	2.167	12989.	6.00	1.54	211.	13200.
USSR	79 9 4	4311N	12453W	27698.5	43915.7	13609.5	131.	1.833	10979.	5.99	1.72	21.	11000.
POLAND	78 925	4719N	12447W	28023.4	43911.0	11778.4	109.	1.333	7968.	5.98	1.74	9632.	17600.
USSR	77 823	4342N	12439W	27782.9	43928.9	13354.0	180.	2.917	17409.	5.97	1.52	191.	17600.
POLAND	7910 1	4425N	12449W	27933.7	43934.1	12992.6	202.	3.667	21869.	5.96	1.97	131.	22000.
POLAND	78 913	4359N	12439W	27811.5	43932.1	13209.0	98.	1.833	10902.	5.95	1.46	98.	11000.
USSR	79 927	4331N	12432W	27776.8	43927.4	13450.8	98.	2.583	15361.	5.95	2.11	39.	15400.
USSR	77 9 5	4312N	12446W	27713.6	43918.0	13605.6	159.	2.583	15352.	5.94	1.53	2248.	17600.
USSR	7910 1	4315N	12507W	27691.1	43913.8	13568.0	525.	2.500	14226.	5.93	1.41	134.	14960.
POLAND	771016	4503N	12428W	27921.2	43933.3	12666.6	186.	5.500	32592.	5.93	1.87	408.	33000.
USSR	77 9 7	4308N	12448W	27701.8	43915.7	13637.9	32.	1.417	8378.	5.91	1.58	422.	8800.
POLAND	79 827	4415N	12425W	27962.4	43934.6	13070.1	30.	2.750	16263.	5.91	1.93	17.	16280.
USSR	79 927	4325N	12440W	27750.2	43924.1	13498.8	146.	0.917	5418.	5.91	2.04	83.	5500.
USSR	77 918	4447N	12437W	27885.4	43934.8	12805.0	109.	2.333	13746.	5.89	1.72	202.	13948.
POLAND	80 912	4704N	12441W	28019.8	43913.2	11845.0	36.	5.333	31340.	5.88	2.02	1660.	33000.
POLAND	78 9 6	4342N	12433W	27794.4	43929.8	13355.5	109.	3.250	19024.	5.85	1.32	116.	19140.
USSR	79 9 2	4404N	12501W	27780.2	43930.4	13168.0	104.	0.750	4389.	5.85	1.87	11.	4400.
USSR	7910 4	4355N	12453W	27779.3	43929.7	13242.3	77.	1.917	11214.	5.85	2.05	6.	11220.
POLAND	80 927	4404N	12437W	27823.2	43933.0	13166.3	60.	3.833	22413.	5.85	1.90	21587.	44000.
USSR	79 924	4315N	12456W	27700.7	43916.7	13574.4	164.	1.833	10715.	5.84	1.96	285.	11000.
USSR	79 923	4354N	12455W	27774.1	43929.2	13250.5	186.	1.833	10715.	5.84	1.89	2485.	13200.
POLAND	80 824	4427N	12444W	27845.4	43934.5	12974.2	71.	3.833	22400.	5.84	1.89	2262.	24662.
POLAND	77 823	4422N	12428W	27867.0	43934.8	13010.7	41.	2.917	17028.	5.84	0.18	9372.	26400.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	78 823	4353N	12432W	27814.8	43932.0	13260.7	66.	2.333	13586.	5.82	1.53	12814.	26400.
USSR	79 828	4433N	12431W	27977.1	43934.9	12918.3	49.	0.750	4365.	5.82	2.05	35.	4400.
POLAND	78 820	4409N	12426W	27947.7	43934.1	13122.5	77.	4.533	26332.	5.81	1.61	68.	26400.
USSR	7910 2	4317N	12456W	27701.2	43917.0	13556.7	208.	4.533	26322.	5.81	0.97	78.	26400.
POLAND	80 830	4415N	12457W	27904.6	43932.6	13077.2	126.	4.500	26117.	5.80	2.03	283.	26400.
USSR	77 9 1	4353N	12433W	27812.9	43931.8	13260.6	219.	2.250	13020.	5.79	1.67	180.	13200.
USSR	79 921	4458N	12427W	27916.8	43933.7	12706.8	109.	1.750	10112.	5.78	2.01	888.	11000.
POLAND	78 9 9	4322N	12443W	27738.8	43922.5	13522.9	219.	3.800	21942.	5.77	1.45	58.	22000.
POLAND	771010	4431N	12438W	27861.8	43934.8	12938.4	112.	5.667	32693.	5.77	1.85	307.	33000.
USSR	79 919	4306N	12503W	27670.0	43910.6	13644.0	197.	1.917	11047.	5.76	1.81	173.	11220.
USSR	79 917	4438N	12430W	27885.7	43934.8	12875.6	60.	1.333	7683.	5.76	1.98	17.	7700.
POLAND	80 830	4427N	12444W	27845.4	43934.5	12974.2	137.	2.167	12482.	5.76	1.76	9512.	22000.
POLAND	771020	4527N	12430W	27945.5	43930.7	12476.8	213.	5.667	32623.	5.76	1.98	377.	33000.
POLAND	731023	4516N	12420W	27952.3	43930.7	12536.6	115.	3.583	20624.	5.76	1.80	1376.	22000.
POLAND	80 822	4455N	12422W	27921.8	43933.6	12727.6	74.	2.667	15340.	5.75	2.02	60.	15400.
POLAND	78 9 8	4336N	12438W	27774.2	43927.7	13405.6	131.	5.667	32570.	5.75	1.47	430.	33000.
POLAND	781015	4443N	12436W	27881.8	43934.8	12837.4	109.	3.750	21548.	5.75	1.65	452.	22000.
POLAND	78 919	4429N	12439W	27857.1	43934.7	12955.5	93.	2.400	13781.	5.74	1.60	519.	14300.
USSR	79 930	4303N	12446W	27695.4	43914.0	13681.2	74.	3.833	21991.	5.74	1.76	9.	22000.
POLAND	80 925	4410N	12435W	27836.2	43933.8	13114.9	60.	4.583	26274.	5.73	1.94	126.	26400.
USSR	7910 4	4359N	12456W	27760.7	43930.1	13209.0	82.	2.250	12884.	5.73	1.94	13516.	26400.
POLAND	80 9 7	4425N	12446W	27839.0	43934.3	12991.6	120.	3.833	21923.	5.72	1.47	77.	22000.
POLAND	771015	4503N	12425W	27926.3	43933.1	12663.9	178.	3.833	21907.	5.71	1.89	93.	22000.
USSR	7910 2	4405N	12454W	27794.0	43931.4	13159.2	82.	1.250	7138.	5.71	2.00	122.	7260.
USSR	79 916	4450N	12434W	27894.5	43934.6	12778.2	159.	1.917	10944.	5.71	1.98	56.	11000.
USSR	79 9 5	4305N	12447W	27699.6	43915.1	13655.4	115.	1.917	10943.	5.71	1.74	57.	11000.
USSR	79 9 5	4421N	12450W	27826.0	43933.8	13026.0	273.	3.083	17570.	5.70	2.00	30.	17600.
USSR	79 916	4346N	12449W	27771.2	43928.3	13318.1	52.	1.917	10916.	5.70	1.78	84.	11000.
USSR	77 828	4430N	12444W	27849.8	43934.6	12949.3	172.	2.667	15175.	5.69	1.65	225.	15400.
USSR	79 923	4353N	12444W	27792.3	43930.5	13259.7	98.	4.583	25900.	5.65	2.07	500.	26400.
USSR	79 829	4548N	12447W	27941.3	43929.9	12341.4	164.	1.167	6593.	5.65	1.76	7.	6600.
USSR	79 917	4430N	12435W	27865.7	43934.8	12945.4	71.	1.667	9411.	5.65	1.94	49.	9460.
POLAND	79 826	4408N	12426W	27850.0	43934.2	13150.8	44.	2.333	13164.	5.64	1.82	36.	13200.
USSR	7910 4	4405N	12452W	27799.2	43931.8	13150.7	74.	2.917	16436.	5.64	1.98	284.	16720.
POLAND	78 912	4355N	12445W	27793.8	43930.8	13242.7	109.	2.333	13147.	5.63	1.56	53.	13200.
USSR	78 826	4354N	12437W	27807.0	43931.5	13251.7	77.	3.000	16896.	5.63	1.56	704.	17600.
USSR	77 9 2	4352N	12433W	27811.3	43931.7	13269.2	191.	1.583	8916.	5.63	1.76	170.	9086.
USSR	79 916	4439N	12446W	27857.6	43934.8	12864.4	131.	2.333	13137.	5.63	1.89	63.	13200.
POLAND	80 823	4419N	12447W	27828.3	43933.8	13041.7	93.	1.583	8903.	5.62	1.88	777.	9680.
USSR	7910 2	4311N	12450W	27794.1	43916.5	13611.4	219.	2.500	14011.	5.60	1.83	949.	14950.
USSR	77 916	4441N	12434W	27882.6	43934.8	12852.8	98.	1.417	7665.	5.55	2.24	935.	8800.
USSR	78 817	4407N	12427W	27846.6	43934.0	13139.6	22.	3.167	17579.	5.55	1.69	21.	17600.
USSR	79 923	4418N	12442W	27835.7	43934.0	13048.7	49.	1.917	10002.	5.53	1.96	398.	11000.
USSR	79 824	4425N	12426W	27875.0	43934.9	12984.3	49.	2.000	11000.	5.50	2.09	0.	11000.
USSR	77 830	4355N	12445W	27793.8	43930.8	13242.7	164.	2.000	10990.	5.49	1.69	10.	11000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 9 1	4355N	12449W	27796.6	43930.2	13242.5	87.	4.000	21953.	5.49	1.80	47.	22000.
USSR	79 9 29	4311N	12447W	27709.7	43917.3	13613.4	137.	3.000	16460.	5.49	0.77	40.	16500.
USSR	79 9 7	4340N	12434W	27799.3	43930.5	13320.8	96.	2.000	10966.	5.48	1.29	34.	11000.
POLAND	80 9 5	4356N	12430W	27826.8	43932.9	13217.6	77.	2.750	15068.	5.48	1.20	332.	15400.
POLAND	78 10 8	4729N	12456W	28016.8	43911.3	11751.6	131.	1.917	10487.	5.47	2.09	513.	11000.
POLAND	80 10 22	4416N	12455W	27713.4	43925.2	13081.6	148.	4.667	25485.	5.46	1.98	915.	26400.
POLAND	77 9 7	4427N	12447W	27840.2	43934.4	12975.4	159.	2.000	10714.	5.46	1.61	86.	11000.
USSR	78 8 25	4354N	12447W	27788.5	43930.3	13251.0	55.	4.000	21789.	5.45	1.58	211.	22000.
POLAND	79 8 26	4403N	12427W	27845.0	43933.9	13148.3	41.	3.333	18157.	5.45	2.00	103.	18260.
USSR	79 10 1	4353N	12452W	27777.8	43929.4	13259.1	175.	2.250	12252.	5.45	1.69	68.	12320.
USSR	79 9 23	4400N	12449W	27796.6	43931.3	13200.6	55.	6.500	35393.	5.45	1.94	27.	35420.
USSR	79 9 8	4343N	12437W	27791.9	43929.9	13328.8	109.	2.000	10871.	5.44	1.79	129.	11000.
USSR	77 8 27	4404N	12456W	27788.9	43931.0	13167.7	82.	2.833	15400.	5.44	1.75	0.	15400.
USSR	79 9 22	4447N	12445W	27871.6	43934.9	12810.3	219.	1.000	5435.	5.44	1.76	65.	5500.
POLAND	79 10 4	4435N	12438W	27867.4	43934.9	12905.0	115.	4.000	21734.	5.43	2.11	266.	22000.
POLAND	77 10 11	4445N	12436W	27884.5	43934.8	12820.8	131.	3.667	19903.	5.43	1.74	6497.	26400.
USSR	79 9 19	4315N	12500W	27693.6	43915.7	13572.1	235.	2.833	15372.	5.43	2.00	28.	15400.
USSR	78 10 3	4415N	12453W	27813.1	43933.0	13068.1	109.	2.417	13110.	5.42	1.59	90.	13200.
USSR	79 8 22	4407N	12502W	27783.3	43930.8	13143.5	120.	2.417	13102.	5.42	1.92	98.	13200.
POLAND	78 9 15	4413N	12457W	27801.5	43932.3	13093.6	115.	2.000	10842.	5.42	1.44	158.	11000.
USSR	79 9 29	4432N	12437W	27873.3	43934.9	12879.5	137.	3.583	19349.	5.40	2.09	231.	19580.
POLAND	79 9 10	4520N	12425W	27946.1	43931.1	12526.2	148.	3.000	16180.	5.39	1.91	320.	16500.
USSR	79 8 27	4442N	12431W	27869.3	43934.8	12842.7	60.	2.500	13478.	5.39	1.74	162.	13640.
USSR	79 9 16	4344N	12436W	27792.1	43929.8	13337.6	109.	3.333	17967.	5.39	1.98	293.	18260.
POLAND	79 10 1	4431N	12446W	27847.1	43934.6	12926.4	213.	1.583	8533.	5.39	1.78	267.	8800.
POLAND	80 9 16	4307N	12451W	27694.1	43914.5	13644.1	148.	1.083	5823.	5.38	1.34	777.	6600.
USSR	78 9 1	4355N	12451W	27782.9	43930.0	13242.4	87.	3.417	16363.	5.37	1.62	3637.	22000.
POLAND	77 10 18	4516N	12426W	27939.9	43931.7	12559.3	205.	6.083	32672.	5.37	1.80	322.	33000.
POLAND	79 8 19	4402N	12432W	27329.3	43933.2	13183.2	49.	2.000	10738.	5.37	2.02	262.	11000.
POLAND	78 10 11	4458N	12427W	27916.8	43933.7	12706.8	96.	2.917	15583.	5.34	1.49	37.	15620.
USSR	79 9 1	4354N	12451W	27781.3	43929.8	13250.8	55.	1.833	9792.	5.34	1.86	106.	9900.
POLAND	77 10 22	4512N	12422W	27942.1	43931.8	12567.4	175.	6.000	32008.	5.33	1.98	992.	33000.
USSR	79 9 26	4351N	12432W	27911.5	43931.6	13278.0	90.	2.917	15451.	5.30	1.76	389.	15840.
POLAND	78 10 24	4519N	12423W	27947.2	43931.1	12539.9	180.	2.167	11442.	5.28	1.78	438.	11880.
USSR	78 10 8	4434N	12438W	27866.0	43934.9	12913.3	104.	2.500	13200.	5.28	1.65	0.	13200.
USSR	77 9 6	4320N	12446W	27729.3	43921.1	13538.2	175.	1.667	8797.	5.28	1.58	377.	9174.
USSR	77 9 16	4432N	12438W	27871.5	43934.9	12880.0	164.	1.250	6596.	5.28	2.24	4.	6600.
USSR	77 8 27	4354N	12456W	27772.3	43929.1	13250.5	77.	1.667	8792.	5.28	1.65	8.	8600.
USSR	77 9 5	4350N	12439W	27776.6	43930.6	13285.7	208.	2.083	10990.	5.28	1.67	10.	11000.
POLAND	79 8 24	4419N	12427W	27864.5	43934.7	13036.1	44.	1.667	8790.	5.27	1.96	10.	8800.
POLAND	80 10 17	4440N	12436W	27888.4	43934.7	12796.1	109.	7.083	37333.	5.27	2.04	67.	37400.
USSR	78 9 3	4346N	12435W	27797.4	43930.4	13320.6	77.	0.833	4390.	5.27	1.56	10.	4400.
USSR	77 9 12	4348N	12447W	27778.3	43929.1	13301.6	546.	2.000	10533.	5.27	1.65	467.	11000.
USSR	78 8 18	4349N	12435W	27802.5	43930.9	13294.8	77.	2.917	15349.	5.26	1.56	51.	15400.
POLAND	80 9 24	4412N	12432W	27833.8	43933.7	13098.4	66.	5.000	26288.	5.26	1.98	112.	26400.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPRDX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
POLAND	80 9 1	4407N	12458W	27790.2	43531.3	13143.1	98.	4.333	22758.	5.25	1.47	8042.	30800.
USSR	77 821	4340N	12435W	27787.0	43929.1	13372.2	82.	1.250	6564.	5.25	1.47	36.	6600.
USSR	79 824	4425N	12427W	27873.1	43934.9	12984.6	49.	5.000	26250.	5.25	1.96	150.	26400.
USSR	79 922	4303N	12502W	27565.6	43909.4	13669.2	235.	2.333	12231.	5.24	1.69	89.	12320.
POLAND	731012	4514N	12419W	27949.5	43931.2	12568.0	101.	3.500	18324.	5.24	1.68	376.	18700.
USSR	79 925	4429N	12454W	27831.0	43934.2	12961.7	137.	1.250	6533.	5.23	2.00	67.	6600.
POLAND	79 927	4424N	12449W	27832.2	43934.1	13000.9	197.	2.083	10875.	5.22	1.91	125.	11000.
POLAND	78 819	4457N	12427W	27915.5	43933.8	12715.0	74.	4.167	21740.	5.22	1.56	260.	22000.
USSR	79 9 3	4331N	12436W	27769.1	43926.7	13449.2	87.	1.250	6521.	5.22	1.96	79.	6600.
USSR	79 9 7	4538N	12426W	27960.6	43928.8	12389.4	82.	1.250	6519.	5.22	1.74	31.	6600.
POLAND	80 919	4403N	12458W	27733.7	43930.6	13176.0	120.	3.750	19533.	5.21	1.32	267.	19800.
POLAND	801015	4302N	12453W	27680.1	43911.5	13684.2	115.	3.500	18222.	5.21	1.69	38.	18260.
POLAND	78 923	4554N	12428W	27976.9	43925.9	12269.9	93.	0.833	4338.	5.21	1.70	62.	4400.
POLAND	801017	4447N	12434W	27890.6	43934.7	12803.0	101.	2.650	13760.	5.19	2.20	100.	13860.
USSR	79 9 7	4310N	12445W	27709.6	43917.1	13622.5	131.	0.833	4323.	5.19	0.90	77.	4400.
POLAND	80 818	4401N	12453W	27789.3	43930.8	13192.4	44.	1.250	6483.	5.19	1.67	10017.	16500.
POLAND	78 828	4407N	12430W	27840.9	43533.8	13140.0	66.	1.167	6036.	5.17	1.68	564.	6600.
POLAND	8010 9	4405N	12455W	27792.3	43931.3	13159.3	120.	1.667	8622.	5.17	1.80	178.	8800.
POLAND	73 9 2	4408N	12434W	27835.0	43933.6	13131.9	66.	2.917	15087.	5.17	1.67	313.	15400.
POLAND	781024	4515N	12422W	27945.5	43531.4	12563.0	191.	1.667	8619.	5.17	1.69	182.	8800.
USSR	79 9 6	4303N	12507W	27667.0	43910.5	13625.0	164.	2.250	11632.	5.17	1.52	28.	11660.
USSR	77 831	4357N	12452W	27784.5	43930.2	13225.7	164.	1.500	7749.	5.17	1.62	5451.	13200.
USSR	78 926	4407N	12456W	27793.7	43531.5	13142.9	109.	3.333	17192.	5.16	1.65	4809.	22000.
POLAND	7710 9	4431N	12435W	27957.1	43934.9	12937.0	104.	5.583	28776.	5.15	1.85	44.	28620.
POLAND	80 9 6	4414N	12455W	27906.6	43932.6	13085.0	109.	0.833	4291.	5.15	1.50	109.	4400.
POLAND	801021	4434N	12436W	27859.5	43934.9	12912.3	82.	2.167	11152.	5.15	2.06	2048.	13200.
POLAND	80 830	4403N	12456W	27787.3	43930.8	13175.9	55.	1.500	7719.	5.15	1.35	3281.	11000.
POLAND	80 9 7	4423N	12500W	27796.3	43932.0	13094.2	66.	1.667	8575.	5.15	1.34	225.	8800.
USSR	79 824	4421N	12427W	27867.4	43934.8	13018.9	55.	2.167	11145.	5.14	2.04	3815.	14960.
USSR	77 911	4309N	12446W	27703.2	43916.2	13629.5	142.	1.250	6423.	5.14	1.72	177.	6600.
USSR	77 823	4433N	12438W	27854.6	43934.9	12921.7	164.	3.000	15400.	5.13	1.68	0.	15400.
USSR	75 317	4407N	12423W	27844.7	43934.0	13139.7	44.	2.500	12832.	5.13	1.58	369.	13200.
USSR	7910 2	4315N	12455W	27792.7	43517.0	13575.0	213.	2.917	14952.	5.13	1.36	448.	15400.
USSR	79 929	4327N	12441W	27752.1	43924.6	13481.3	137.	3.667	18786.	5.12	1.67	354.	19140.
POLAND	781012	4506N	12429W	27928.2	43932.9	12640.2	154.	3.000	15350.	5.12	1.57	50.	15400.
POLAND	80 830	4417N	12454W	27812.9	43933.1	13060.1	71.	4.250	21735.	5.11	1.71	265.	22000.
USSR	7910 6	4411N	12503W	27788.0	43931.4	13111.1	194.	3.000	15306.	5.10	1.94	94.	15400.
USSR	781018	4436N	12437W	27273.3	43934.9	12879.5	109.	2.583	13175.	5.10	1.65	25.	13200.
USSR	79 831	4356N	12450W	27736.4	43930.3	13234.1	33.	1.667	8468.	5.08	1.87	332.	8800.
POLAND	80 925	4412N	12435W	27839.3	43933.9	13097.9	55.	5.167	26248.	5.08	1.94	152.	26400.
POLAND	77 820	4353N	12453W	27776.0	43929.3	13259.0	82.	5.333	27029.	5.07	1.50	251.	27280.
POLAND	80 926	4407N	12441W	27820.6	43933.0	13141.2	60.	4.333	21957.	5.07	1.85	43.	22000.
POLAND	8010 6	4357N	12457W	27775.6	43929.6	13225.6	202.	1.917	9711.	5.07	1.52	145.	9856.
POLAND	78 319	4356N	12429W	27827.4	43932.8	13235.0	68.	7.450	37735.	5.07	1.63	105.	37840.
POLAND	79 927	4428N	12452W	27832.9	43934.2	12969.1	197.	2.583	13082.	5.06	2.03	118.	13200.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
POLAND	80 910	47 23N	124 48W	28028.9	43908.9	11736.3	66.	2.167	10971.	5.06	1.96	29.	11000.
POLAND	771021	45 34N	124 27W	27958.0	43929.3	12418.8	148.	5.500	27816.	5.06	1.98	344.	28160.
USSR	78 829	43 55N	124 50W	27784.7	43930.1	13242.5	153.	2.167	10956.	5.06	1.50	44.	11000.
USSR	79 923	43 54N	124 35W	27910.8	43931.8	13251.9	145.	1.333	6734.	5.05	2.05	306.	7040.
USSR	77 912	43 10N	124 49W	27703.9	43916.4	13620.5	137.	2.167	10941.	5.05	1.74	59.	11000.
USSR	76 816	44 10N	124 50W	27798.5	43932.0	13118.1	82.	2.583	13007.	5.04	1.67	193.	13200.
USSR	78 826	44 03N	124 56W	27787.3	43930.8	13175.9	82.	2.167	10908.	5.03	1.63	92.	11000.
POLAND	80 9 5	43 59N	124 31W	27826.5	43932.9	13209.0	71.	2.167	10894.	5.03	1.80	106.	11000.
USSR	79 914	44 05N	124 54W	27794.0	43931.4	13159.2	55.	3.083	15455.	5.01	1.80	165.	15620.
USSR	78 917	44 31N	124 40W	27858.2	43934.6	12939.3	93.	1.750	8769.	5.01	3.01	31.	8800.
USSR	77 829	44 00N	124 50W	27778.8	43930.0	13200.6	219.	1.750	8768.	5.01	1.60	32.	8800.
POLAND	78 912	43 54N	124 42W	27797.7	43930.9	13251.4	142.	4.833	24114.	4.99	1.53	526.	24640.
POLAND	78 921	45 09N	124 24W	27935.2	43932.3	12613.8	189.	1.750	8725.	4.99	1.49	75.	8800.
USSR	79 819	44 11N	124 30W	27847.0	43934.2	13105.5	44.	3.083	15373.	4.99	2.09	27.	15400.
POLAND	801020	44 05N	124 54W	27794.0	43931.4	13159.2	98.	5.500	27396.	4.98	1.87	105.	27500.
POLAND	77 819	43 52N	124 43W	27792.5	43930.5	13268.3	44.	4.417	21985.	4.98	1.57	15.	22000.
USSR	79 9 9	43 59N	124 32W	27824.6	43932.8	13209.0	60.	3.083	15347.	4.98	1.63	53.	15400.
POLAND	80 924	44 15N	124 30W	27853.0	43934.4	13071.2	60.	1.983	9850.	4.97	1.91	16550.	26400.
USSR	79 922	44 16N	124 52W	27814.9	43933.1	13067.9	55.	1.500	7442.	4.96	1.98	38.	7480.
USSR	77 830	43 52N	124 33W	27811.3	43931.7	13269.2	191.	2.167	10702.	4.94	1.67	298.	11000.
POLAND	7710 9	44 35N	124 36W	27870.9	43934.9	12904.0	120.	2.083	10289.	4.94	2.05	51.	10340.
POLAND	79 921	44 18N	124 54W	27814.5	43933.2	13051.9	197.	3.500	12266.	4.93	1.84	334.	17600.
POLAND	771019	45 13N	124 25W	27938.1	43932.0	12582.4	223.	4.417	21773.	4.93	1.89	227.	22000.
POLAND	801011	43 17N	124 52W	27712.2	43918.5	13560.1	216.	2.500	12305.	4.92	1.56	15.	12320.
USSR	77 910	43 20N	124 45W	27731.2	43921.3	13538.8	235.	2.667	13124.	4.92	1.69	76.	13200.
POLAND	79 913	45 20N	124 25W	27946.1	43931.1	12526.2	169.	3.000	14756.	4.92	1.94	644.	15400.
POLAND	80 828	44 26N	124 44W	27844.0	43934.4	12982.5	104.	2.583	12690.	4.91	1.80	1610.	14300.
USSR	77 824	43 04N	124 46W	27693.6	43913.9	13671.4	109.	1.333	6549.	4.91	1.49	51.	6600.
USSR	78 826	43 54N	124 41W	27799.6	43931.1	13251.4	55.	2.333	11453.	4.91	1.65	427.	11880.
USSR	79 829	43 11N	124 47W	27709.7	43917.3	13613.4	142.	3.250	15951.	4.91	1.89	175.	16126.
USSR	79 9 9	43 49N	125 09W	27741.0	43925.7	13290.3	120.	1.833	8988.	4.90	1.83	32.	9020.
USSR	78 922	43 50N	124 49W	27778.1	43929.2	13284.5	49.	1.333	6530.	4.90	1.56	70.	6600.
POLAND	80 917	44 04N	124 58W	27785.4	43930.8	13167.8	115.	5.333	26069.	4.89	1.37	331.	26400.
POLAND	80 830	43 11N	124 51W	27702.2	43916.3	13610.8	137.	2.500	12214.	4.89	1.34	986.	13200.
USSR	79 927	43 41N	124 33W	27792.6	43929.6	13364.1	98.	2.667	13028.	4.89	1.91	172.	13200.
USSR	78 818	43 57N	124 35W	27815.7	43932.2	13226.1	71.	2.250	10992.	4.89	1.50	8.	11000.
USSR	79 9 9	43 42N	124 37W	27786.7	43929.2	13354.5	115.	2.667	12986.	4.87	2.02	215.	13200.
POLAND	80 924	44 01N	124 37W	27918.4	43932.6	13191.9	66.	2.000	9732.	4.87	2.17	1268.	11000.
POLAND	80 825	44 22N	124 49W	27829.3	43933.9	13017.4	134.	2.667	12973.	4.86	1.85	227.	13200.
USSR	77 816	43 33N	124 40W	27774.0	43927.8	13387.9	109.	1.417	6863.	4.84	1.63	54.	6917.
POLAND	80 822	44 45N	124 24W	27905.7	43934.4	12813.0	68.	2.917	14071.	4.82	2.02	6037.	20108.
USSR	79 9 2	43 02N	124 59W	27669.0	43909.7	13679.7	137.	2.000	9637.	4.82	1.45	1143.	10780.
USSR	79 9 2	43 32N	125 13W	27703.4	43919.4	13427.2	153.	3.417	16454.	4.82	1.89	46.	16500.
USSR	77 823	44 36N	124 41W	27863.5	43934.9	12898.2	186.	1.333	6421.	4.82	1.62	179.	6600.
USSR	78 9 2	44 04N	124 55W	27790.6	43931.1	13167.6	41.	2.167	10416.	4.81	1.61	2784.	13200.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 917	4345N	12437W	27791.9	43929.9	13328.8	109.	3.583	17226.	4.81	1.82	3234.	20460.
USSR	7910 1	4357N	12452W	27784.5	43930.2	13225.7	55.	2.417	11610.	4.80	1.89	50.	11660.
USSR	79 9 3	4402N	12502W	27776.9	43930.0	13164.4	87.	3.667	17574.	4.79	1.84	26.	17600.
USSR	77 915	4443N	12434W	27865.3	43934.8	12836.2	115.	1.833	8780.	4.79	2.24	20.	8800.
USSR	79 9 9	4525N	12421W	27956.1	43930.1	12497.6	98.	1.250	5984.	4.79	2.09	2816.	8800.
USSR	79 913	4359N	12455W	27780.7	43930.1	13209.0	98.	2.250	10761.	4.78	1.96	239.	11000.
USSR	77 913	4403N	12455W	27789.0	43931.0	13175.9	109.	1.833	8763.	4.78	2.00	37.	8800.
USSR	77 823	4402N	12450W	27785.6	43930.7	13184.2	98.	1.500	7150.	4.77	1.58	48.	7198.
POLAND	801010	4402N	12456W	27785.6	43930.7	13184.2	126.	2.000	9527.	4.76	2.11	153.	9680.
POLAND	79 920	4434N	12435W	27871.3	43934.9	12911.8	120.	4.500	21431.	4.76	1.95	569.	22000.
USSR	79 810	4402N	12500W	27778.6	43930.1	13184.4	109.	3.667	17433.	4.75	1.75	167.	17600.
USSR	77 824	4430N	12447W	27844.5	43934.5	12950.6	191.	1.667	7923.	4.75	1.58	877.	8800.
USSR	77 831	4358N	12432W	27823.0	43932.7	13217.6	55.	1.833	8711.	4.75	1.72	89.	8800.
USSR	77 911	4347N	12446W	27778.5	43929.0	13310.2	257.	2.250	10686.	4.75	1.61	314.	11000.
USSR	79 913	4413N	12455W	27817.7	43933.4	13043.4	164.	3.083	14621.	4.74	1.96	119.	14740.
USSR	77 818	4347N	12433W	27802.9	43930.8	13312.3	65.	2.750	13014.	4.73	1.58	186.	13200.
USSR	79 825	4413N	12425W	27853.3	43934.4	13089.0	41.	2.417	11406.	4.72	2.13	34.	11440.
USSR	7910 5	4713N	12450W	28019.5	43911.7	11784.5	98.	1.833	8646.	4.72	2.20	154.	8800.
POLAND	80 826	4409N	12452W	27793.4	43931.6	13126.7	77.	5.000	23570.	4.71	1.69	3930.	27500.
USSR	79 920	4307N	12503W	27827.1	43911.1	13635.8	164.	1.583	7464.	4.71	1.89	16.	7480.
USSR	79 918	4430N	12444W	27849.3	43934.6	12949.3	87.	2.333	10977.	4.70	2.20	23.	11000.
POLAND	77 816	4358N	12455W	27730.8	43930.0	13217.3	137.	4.583	21562.	4.70	1.56	438.	22000.
USSR	78 827	4356N	12457W	27773.9	43929.3	13233.8	109.	2.333	10971.	4.70	1.58	29.	11000.
USSR	79 912	4503N	12424W	27928.1	43933.0	12663.0	98.	2.333	10967.	4.70	2.20	33.	11000.
POLAND	80 831	4402N	12456W	27791.8	43931.4	13134.9	98.	4.500	21142.	4.70	1.72	858.	22000.
USSR	79 920	4308N	12504W	27872.3	43911.3	13627.0	230.	3.000	14090.	4.70	1.68	210.	14300.
USSR	79 922	4342N	12434W	27792.4	43929.7	13355.2	87.	3.500	16399.	4.69	1.36	101.	16500.
POLAND	79 913	4510N	12423W	27938.0	43932.1	12604.7	175.	2.750	12882.	4.68	1.89	318.	13200.
USSR	79 929	4356N	12455W	27790.8	43930.0	13217.3	79.	2.417	11320.	4.68	2.02	120.	11440.
USSR	79 922	4355N	12438W	27806.8	43931.6	13243.1	112.	4.667	21829.	4.68	2.22	171.	22000.
POLAND	78 9 7	4326N	12443W	27752.1	43924.4	13490.3	186.	2.333	10911.	4.68	1.47	89.	11000.
USSR	79 9 4	4504N	12442W	27893.6	43913.9	13671.4	131.	2.500	11644.	4.66	1.72	15.	11660.
USSR	77 820	4351N	12451W	27776.2	43929.1	13275.9	191.	1.417	6596.	4.66	1.80	4.	6600.
USSR	77 9 3	4341N	12430W	27786.9	43929.2	13363.3	109.	2.250	10464.	4.65	1.61	536.	11000.
USSR	78 826	4403N	12459W	27782.0	43930.5	13176.1	109.	2.833	13166.	4.65	1.52	34.	13200.
POLAND	801020	4409N	12456W	27793.4	43931.6	13126.7	191.	5.667	26291.	4.64	1.89	109.	26400.
POLAND	80 825	4426N	12446W	27840.4	43934.4	12923.3	109.	3.750	17395.	4.64	1.80	205.	17600.
USSR	78 816	4421N	12452W	27822.5	43933.6	13026.6	109.	1.417	6569.	4.64	1.63	31.	6600.
POLAND	801017	4456N	12426W	27916.1	43933.8	12722.5	109.	3.000	13901.	4.63	2.18	179.	14080.
POLAND	771012	4443N	12435W	27879.5	43934.9	12861.7	164.	2.500	11577.	4.63	1.72	83.	11660.
USSR	79 9 0	4333N	12437W	27770.7	43927.0	13431.7	137.	2.083	9635.	4.62	1.28	45.	9680.
USSR	79 927	4307N	12447W	27701.7	43915.6	13647.0	109.	2.333	10785.	4.62	1.19	215.	11000.
USSR	77 829	4433N	12449W	27853.8	43934.8	12877.8	115.	2.333	10779.	4.62	1.61	221.	11000.
USSR	79 918	4303N	12447W	27893.5	43913.7	13680.5	109.	2.000	9235.	4.62	1.72	5.	9240.
USSR	7910 1	4314N	12500W	27691.6	43915.2	13580.3	262.	2.333	10767.	4.61	1.41	233.	11000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	77 921	4512N	12424W	27938.6	43932.0	12589.4	191.	2.833	13067.	4.61	1.72	133.	13200.
USSR	77 929	4309N	12454W	27692.6	43914.6	13625.5	164.	1.667	7668.	4.60	0.84	32.	7700.
USSR	77 627	4436N	12443W	27860.0	43934.8	12899.2	175.	2.833	13034.	4.60	1.58	166.	13200.
USSR	77 10 5	4718N	12449W	28020.0	43911.7	11787.5	87.	2.667	12259.	4.60	2.11	14801.	27060.
POLAND	80 915	4492N	12457W	27783.9	43930.5	13184.2	87.	3.333	15321.	4.60	1.61	79.	15400.
USSR	79 910	4412N	12451W	27810.5	43932.7	13100.8	33.	1.917	8790.	4.59	1.85	10.	8600.
POLAND	79 924	4423N	12451W	27827.3	43933.9	13009.8	230.	1.917	8780.	4.58	1.87	20.	8800.
USSR	79 916	4412N	12507W	27732.8	43931.1	13103.6	191.	3.167	14482.	4.57	1.86	38.	14520.
POLAND	78 915	4351N	12430W	27815.4	43931.9	13278.2	98.	1.917	8758.	4.57	1.54	42.	8800.
USSR	79 9 2	4403N	12502W	27776.8	43930.1	13176.3	109.	1.917	8747.	4.56	1.89	53.	8800.
USSR	79 929	4446N	12435W	27877.8	43934.9	12862.3	109.	1.917	8744.	4.56	2.16	56.	8800.
USSR	79 917	4403N	12430W	27834.7	43933.4	13174.4	55.	4.333	19749.	4.56	1.74	711.	20460.
POLAND	80 912	4417N	12455W	27811.2	43933.0	13060.3	120.	2.000	9113.	4.56	1.85	9147.	18260.
POLAND	80 9 5	4502N	12445W	27891.2	43934.4	12689.6	101.	3.833	17455.	4.55	1.98	145.	17600.
USSR	78 818	4344N	12435W	27794.0	43930.0	13337.8	77.	1.917	8723.	4.55	1.56	77.	8800.
USSR	79 915	4438N	12437W	27773.3	43934.9	12879.5	109.	2.500	11373.	4.55	2.00	7327.	18700.
USSR	79 622	4352N	12446W	27787.0	43930.1	13268.0	131.	2.333	10603.	4.54	1.63	177.	10780.
USSR	77 915	4446N	12434W	27889.3	43934.7	12811.3	98.	2.417	10974.	4.54	2.24	26.	11000.
USSR	78 816	4405N	12430W	27837.8	43933.6	13157.2	38.	2.417	10963.	4.54	1.61	37.	11000.
USSR	77 9 2	4344N	12433W	27788.3	43929.5	13337.2	273.	2.833	12844.	4.53	1.56	356.	13200.
POLAND	79 10 1	4433N	12447W	27844.5	43934.5	12950.6	213.	1.833	8302.	4.53	1.74	498.	8800.
POLAND	77 10 16	4508N	12427W	27928.9	43932.7	12624.9	191.	6.917	31302.	4.53	1.87	158.	31460.
POLAND	78 10 25	4527N	12427W	27950.5	43930.3	12473.2	169.	1.417	6397.	4.52	1.85	203.	6600.
USSR	79 928	4336N	12436W	27778.1	43928.0	13406.3	82.	1.750	7899.	4.51	1.97	25101.	33000.
POLAND	80 9 5	4401N	12433W	27825.9	43933.0	13191.8	60.	3.333	14998.	4.50	1.85	402.	15400.
USSR	79 822	4352N	12434W	27809.4	43931.6	13269.1	87.	2.833	12728.	4.49	1.89	472.	13200.
POLAND	77 10 14	4507N	12422W	27936.3	43932.4	12628.2	159.	5.333	23874.	4.48	1.85	106.	23980.
POLAND	79 925	4429N	12453W	27832.7	43934.2	12961.3	219.	3.917	17528.	4.48	1.83	72.	17600.
USSR	79 9 6	4308N	12508W	27665.3	43910.2	13624.3	164.	3.000	13409.	4.47	1.52	11.	13420.
POLAND	79 10 6	4424N	12449W	27832.2	43934.1	13000.9	208.	1.417	6316.	4.46	1.94	284.	6600.
POLAND	80 9 2	4418N	12452W	27818.0	43933.3	13051.3	137.	4.750	21158.	4.45	1.80	842.	22000.
USSR	78 828	4355N	12452W	27781.1	43929.8	13242.4	98.	1.917	8533.	4.45	1.49	2467.	11000.
POLAND	78 818	4357N	12428W	27829.0	43932.9	13226.3	68.	5.917	26325.	4.45	1.63	75.	26400.
USSR	79 929	4304N	12454W	27682.4	43912.2	13666.9	219.	3.250	14404.	4.43	1.76	2096.	16500.
POLAND	78 10 31	4337N	12432W	27787.6	43928.9	13398.9	66.	2.167	9584.	4.42	1.66	976.	10560.
POLAND	79 821	4419N	12428W	27862.6	43934.7	13036.4	33.	6.000	26503.	4.42	2.07	6057.	32560.
POLAND	78 10 26	4442N	12436W	27830.5	43934.9	12845.7	115.	2.833	12513.	4.42	1.82	467.	12980.
USSR	79 9 8	4351N	12432W	27811.5	43931.6	13278.0	55.	1.333	5882.	4.41	1.21	58.	5940.
USSR	79 924	4353N	12437W	27805.4	43931.4	13260.3	120.	3.000	13220.	4.41	1.89	200.	13420.
USSR	79 824	4420N	12428W	27864.1	43934.7	13027.8	55.	3.167	13952.	4.41	1.98	16848.	30800.
USSR	78 826	4345N	12435W	27795.7	43930.2	13329.2	71.	2.500	11000.	4.40	1.57	0.	11000.
USSR	77 9 4	4342N	12436W	27788.6	43929.4	13354.8	156.	0.500	2200.	4.40	1.58	0.	2200.
USSR	79 915	4463N	12452W	27880.9	43934.6	12687.7	27.	2.000	8800.	4.40	1.93	0.	8800.
USSR	77 819	4355N	12439W	27804.9	43931.5	13243.1	109.	3.500	15396.	4.40	1.80	4.	15400.
USSR	79 829	4542N	12441W	27944.2	43930.0	12377.0	175.	1.500	6592.	4.39	1.76	0.	6600.

104

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 926	4443N	12435W	27853.6	43934.8	12836.8	96.	2.250	9884.	4.39	2.18	16.	9900.
USSR	78 9 4	4346N	12435W	27797.4	43930.4	13320.6	60.	1.000	4388.	4.39	1.45	12.	4400.
USSR	77 9 8	4332N	12439W	27765.1	43926.4	13439.5	216.	1.500	6580.	4.39	1.58	20.	6600.
USSR	79 9 9	4518N	12420W	27952.3	43930.7	12536.6	115.	8.250	36154.	4.38	1.88	5206.	41360.
POLAND	8010 9	4405N	12457W	27788.8	43931.1	13159.5	153.	2.000	8760.	4.38	1.86	40.	8800.
POLAND	80 827	4314N	12451W	27708.2	43917.5	13585.7	137.	4.917	21528.	4.38	1.39	472.	22000.
POLAND	79 925	4429N	12452W	27934.4	43934.3	12960.9	219.	4.000	17510.	4.38	1.83	90.	17600.
USSR	77 914	4454N	12424W	27917.1	43933.8	12737.5	219.	2.500	10927.	4.37	1.94	73.	11000.
USSR	78 922	4354N	12447W	27780.5	43930.3	13251.0	109.	1.917	8339.	4.35	1.58	461.	8800.
USSR	79 923	4418N	12451W	27819.7	43933.4	13051.1	55.	1.583	6880.	4.35	1.90	160.	7040.
USSR	79 9 3	4332N	12437W	27768.9	43926.6	13440.3	98.	2.000	8689.	4.34	1.94	111.	8900.
USSR	79 924	4350N	12434W	27806.0	43931.2	13286.3	159.	2.333	10110.	4.33	1.94	10.	10120.
POLAND	781026	4453N	12426W	27908.8	43934.1	12749.0	93.	2.833	12268.	4.33	1.86	52.	12320.
USSR	77 917	4436N	12435W	27876.8	43934.9	12878.4	98.	1.000	4323.	4.32	2.25	2277.	6600.
POLAND	801013	4347N	12432W	27304.8	43930.9	13312.5	87.	0.417	1800.	4.32	1.52	43740.	45540.
USSR	79 920	4310N	12504W	27676.4	43912.3	13610.6	137.	2.083	8998.	4.32	1.91	22.	9020.
POLAND	80 913	4418N	12450W	27821.5	43933.5	13050.6	109.	3.167	13508.	4.27	1.67	132.	13640.
POLAND	80 912	4709N	12444W	23019.7	43912.7	11824.1	60.	5.167	22010.	4.26	2.05	4390.	26400.
POLAND	771021	4513N	12430W	27929.7	43932.5	12587.5	191.	3.333	14143.	4.24	1.92	157.	14300.
USSR	70 9 1	4343N	12435W	27792.2	43929.8	13346.4	87.	2.083	8799.	4.22	1.47	1.	8800.
USSR	77 829	4401N	12420W	27855.3	43933.4	13191.6	219.	5.083	21465.	4.22	1.67	535.	22000.
USSR	79 930	4309N	12448W	27703.8	43916.2	13629.5	82.	2.083	8785.	4.22	1.74	15.	8800.
POLAND	80 827	4354N	12457W	27770.5	43928.9	13230.4	98.	7.500	31620.	4.22	1.82	2480.	34100.
USSR	78 910	4317N	12445W	27725.4	43920.2	13564.1	68.	2.083	9771.	4.21	1.61	29.	8800.
POLAND	771019	4525N	12427W	27948.3	43930.6	12468.9	200.	5.167	21728.	4.21	2.00	272.	22000.
USSR	79 926	4441N	12432W	27886.2	43934.8	12851.6	87.	1.833	7674.	4.19	2.20	26.	7700.
POLAND	70 9 7	4345N	12436W	27793.8	43930.0	13329.0	128.	3.667	15334.	4.18	1.52	66.	15400.
POLAND	80 910	4310N	12440W	27705.6	43916.6	13621.1	142.	1.000	4178.	4.18	1.30	222.	4400.
POLAND	79 926	4428N	12452W	27832.9	43934.2	12969.1	230.	3.667	15270.	4.16	1.96	130.	15400.
USSR	77 918	4454N	12432W	27903.1	43934.3	12743.8	109.	2.083	8673.	4.16	1.69	237.	8910.
USSR	79 929	4440N	12435W	27874.2	43934.9	12863.4	131.	2.000	8322.	4.16	2.09	38.	8360.
POLAND	8010 7	4425N	12445W	27840.7	43934.3	12991.2	35.	4.167	17334.	4.16	1.69	486.	17820.
POLAND	79 923	4452N	12423W	27916.3	43933.9	12753.5	79.	1.583	6582.	4.16	2.01	18.	6600.
POLAND	79 030	4412N	12425W	27857.9	43934.5	13096.0	33.	3.167	13163.	4.16	1.82	37.	13200.
POLAND	79 920	4425N	12439W	27851.4	43934.6	12969.0	208.	3.917	16258.	4.15	1.92	242.	16500.
USSR	7910 2	4314N	12459W	27693.4	43915.5	13580.9	416.	2.833	11747.	4.15	1.72	133.	11880.
USSR	79 9 3	4450N	12432W	27898.0	43934.5	12776.8	104.	2.583	10700.	4.14	2.13	300.	11000.
POLAND	80 826	4303N	12453W	27632.1	43912.0	13675.9	164.	2.333	9652.	4.14	1.36	2568.	12320.
USSR	78 9 1	4347N	12431W	27806.8	43931.1	13312.7	104.	0.500	2066.	4.13	1.48	134.	2200.
USSR	79 9 5	4313N	12510W	27571.9	43912.1	13582.5	164.	2.500	10310.	4.12	1.58	30.	10340.
USSR	77 819	4403N	12430W	27834.7	43933.4	13174.4	71.	2.083	8587.	4.12	1.80	213.	8800.
POLAND	78 930	4509N	12413W	27954.2	43931.1	12602.9	104.	2.583	10604.	4.10	1.65	396.	11000.
POLAND	77 9 9	4551N	12441W	27953.7	43928.6	12311.2	109.	1.250	5119.	4.10	1.83	381.	5500.
USSR	77 9 4	4332N	12438W	27770.9	43927.0	13440.6	131.	1.583	6453.	4.08	1.60	147.	6600.
POLAND	79 917	4502N	12420W	27933.8	43932.7	12667.6	109.	1.667	6787.	4.07	1.89	33.	6820.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
POLAND	8010 8	4445N	12430W	27896.3	43934.6	12808.6	120.	2.167	8732.	4.03	2.10	68.	8800.
POLAND	80 913	4714N	12444W	28023.6	43911.4	11797.9	44.	4.917	19813.	4.03	2.07	2187.	22000.
USSR	79 9 4	4415N	12452W	27813.4	43933.0	13076.1	87.	1.083	4360.	4.02	2.05	40.	4400.
USSR	79 920	4351N	12432W	27811.5	43931.6	13278.0	82.	2.500	10052.	4.02	2.10	23828.	33880.
POLAND	801013	4311N	12451W	27702.2	43916.3	13610.8	104.	4.333	17407.	4.02	1.43	193.	17600.
USSR	77 024	4430N	12440W	27842.8	43934.5	12951.0	208.	2.167	8699.	4.01	1.59	101.	8800.
POLAND	80 010	4359N	12456W	27777.2	43929.8	13209.0	241.	3.333	13383.	4.01	1.87	8617.	22000.
USSR	77 817	4350N	12433W	27808.0	43931.3	13286.5	71.	2.083	8362.	4.01	1.54	438.	8800.
POLAND	80 913	4710N	12439W	23027.2	43911.1	11808.7	49.	5.667	22737.	4.01	2.08	3663.	26400.
POLAND	781022	4450N	12420W	27905.0	43934.3	12773.9	82.	1.833	7355.	4.01	1.70	125.	7480.
USSR	77 912	4347N	12444W	27782.2	43929.3	13310.5	257.	2.667	10683.	4.01	1.61	317.	11000.
POLAND	801010	4355N	12454W	27777.5	43929.6	13242.3	87.	2.167	8678.	4.01	1.66	52922.	61600.
USSR	79 913	4356N	12454W	27779.2	43929.8	13233.9	55.	2.750	10984.	3.99	1.87	16.	11000.
POLAND	7810 7	4712N	12453W	28010.1	43914.2	11826.2	87.	2.500	9962.	3.98	1.81	378.	10340.
USSR	79 922	4447N	12431W	27895.9	43934.6	12801.0	60.	2.083	8299.	3.98	2.00	501.	8800.
USSR	77 919	4431N	12436W	27861.8	43934.5	12938.4	131.	2.750	10909.	3.97	1.83	311.	11220.
USSR	79 911	4457N	12424W	27920.8	43933.5	12712.6	98.	1.000	3950.	3.95	2.11	450.	4400.
USSR	77 9 3	4332N	12436W	27767.0	43926.6	13439.9	109.	2.667	10529.	3.95	1.50	471.	11000.
USSR	79 921	4442N	12455W	27951.2	43934.8	12855.7	219.	1.667	6554.	3.93	1.69	46.	6600.
USSR	79 925	4320N	12506W	27692.7	43916.3	13527.8	164.	0.750	2947.	3.93	1.80	133.	3090.
USSR	79 9 9	4305N	12440W	27695.7	43914.4	13663.0	186.	1.667	6542.	3.93	1.78	58.	6600.
POLAND	79 928	4424N	12449W	27832.2	43934.1	13000.9	197.	1.667	6535.	3.92	2.02	65.	6600.
USSR	77 9 2	4340N	12437W	27763.2	43928.8	13371.7	137.	3.333	13060.	3.92	1.51	140.	13200.
POLAND	79 916	4420N	12434W	27864.7	43934.8	12961.9	55.	7.117	27875.	3.92	2.06	65.	27940.
USSR	7910 2	4400N	12444W	27816.7	43932.8	13133.1	44.	1.167	4567.	3.91	1.98	53.	4620.
POLAND	79 910	4429N	12432W	27669.7	43934.9	12952.6	123.	2.167	8478.	3.91	1.90	542.	9020.
USSR	7910 1	4405N	12454W	27794.0	43931.4	13159.2	66.	1.667	6521.	3.91	1.91	79.	6600.
POLAND	80 9 8	4443N	12435W	27890.2	43934.7	12795.4	109.	4.500	17566.	3.90	1.97	34.	17600.
USSR	77 829	4436N	12446W	27854.8	43934.8	12900.8	164.	2.250	8744.	3.89	1.65	56.	8800.
USSR	78 817	4406N	12431W	27837.5	43933.7	13148.7	44.	2.833	11000.	3.88	1.69	0.	11000.
USSR	7910 3	4400N	12433W	27824.3	43932.6	13200.4	93.	3.000	11645.	3.88	1.74	15.	11660.
USSR	77 9 1	4355N	12445W	27793.8	43930.8	13242.7	82.	3.917	15195.	3.88	1.58	205.	15400.
USSR	77 820	4401N	12456W	27784.0	43930.5	13192.5	164.	1.667	6446.	3.87	1.80	154.	6600.
USSR	79 9 3	4356N	12443W	27799.2	43931.2	13234.4	109.	2.833	10944.	3.86	2.03	56.	11000.
USSR	79 9 1	4357N	12449W	27799.9	43930.6	13225.8	27.	2.833	10944.	3.86	1.85	56.	11000.
USSR	79 9 9	4337N	12434W	27793.7	43928.6	13398.3	82.	3.000	11585.	3.86	1.67	75.	11660.
POLAND	801016	4420N	12447W	27832.7	43934.3	12983.6	55.	5.000	19304.	3.86	2.79	1772.	21076.
USSR	79 9 5	4302N	12505W	27652.9	43907.1	13672.9	164.	3.000	11582.	3.86	1.45	78.	11660.
USSR	77 9 1	4352N	12437W	27803.7	43931.2	13268.8	148.	2.333	9005.	3.86	1.71	235.	9240.
USSR	79 929	4310N	12449W	27703.9	43916.4	13620.5	109.	3.000	11528.	3.84	1.83	572.	12100.
USSR	79 923	4412N	12442W	27826.5	43933.5	13099.1	55.	2.000	7684.	3.84	1.96	16.	7700.
USSR	78 831	4355N	12448W	27788.4	43930.4	13242.6	82.	1.417	5440.	3.84	1.61	60.	5500.
POLAND	78 826	4417N	12436W	27841.4	43934.2	13056.1	60.	0.917	3519.	3.84	1.67	861.	4400.
USSR	79 9 8	4335N	12437W	27791.0	43927.0	13431.7	98.	2.167	8308.	3.83	1.89	52.	8360.
POLAND	79 925	4500N	12422W	27927.9	43933.1	12686.0	109.	2.500	9572.	3.83	0.70	108.	9680.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
POLAND	701023	4523N	12422W	27954.4	43930.3	12498.8	93.	4.167	15943.	3.83	1.86	1437.	17380.
POLAND	70 9 9	4444N	12435W	27879.7	43934.8	12830.4	109.	4.583	17523.	3.82	1.98	77.	17600.
USSR	70 9 1	4356N	12449W	27728.2	43930.4	13234.1	82.	2.833	10764.	3.80	1.61	236.	11000.
USSR	70 8 22	4404N	12430W	27836.3	43933.5	13165.8	33.	2.833	10759.	3.80	2.20	241.	11000.
USSR	70 8 24	4419N	12429W	27860.8	43934.7	13036.7	33.	1.500	5686.	3.79	2.09	34.	5720.
USSR	77 8 26	4404N	12453W	27725.4	43930.8	13167.8	82.	4.000	15113.	3.76	1.68	287.	15400.
USSR	70 9 27	4444N	12435W	27884.9	43934.8	12828.5	109.	0.750	2833.	3.78	2.08	27.	2360.
USSR	70 9 22	4452N	12433W	27898.8	43934.4	12761.0	109.	2.667	10063.	3.77	1.93	937.	11000.
USSR	70 9 0	4312N	12420W	27922.3	43930.7	12536.6	87.	1.167	4395.	3.77	2.03	5.	4400.
USSR	70 9 1	4357N	12451W	27766.3	43930.4	13225.7	55.	0.583	2197.	3.77	1.87	3.	2200.
POLAND	77 8 26	4415N	12437W	27840.2	43934.1	13072.8	59.	4.500	16946.	3.77	1.65	16054.	33000.
USSR	70 9 22	4425N	12454W	27825.1	43933.9	12994.4	175.	1.167	4391.	3.76	1.89	9.	4400.
USSR	70 8 19	4349N	12436W	27800.6	43930.8	13294.7	82.	1.750	6582.	3.76	1.72	18.	6600.
USSR	70 9 21	4436N	12450W	27850.7	43934.8	12886.5	131.	3.500	13164.	3.76	1.94	36.	13200.
USSR	70 10 3	4303N	12503W	27663.9	43909.1	13668.5	213.	2.917	10947.	3.75	1.47	493.	11440.
POLAND	70 9 19	4510N	12423W	27938.0	43932.1	12604.7	202.	3.500	13119.	3.75	1.53	61.	13200.
POLAND	70 10 4	4424N	12451W	27928.8	43934.0	13001.6	197.	1.750	6531.	3.73	1.91	69.	6600.
POLAND	70 9 7	4421N	12443W	27829.5	43933.9	13025.4	191.	4.417	16467.	3.73	1.91	33.	16500.
USSR	70 9 14	4402N	12445W	27805.3	43931.9	13183.7	27.	4.917	18309.	3.72	1.88	1051.	19360.
USSR	70 10 3	4709N	12452W	28009.0	43914.7	11840.0	77.	2.167	8008.	3.70	2.16	13992.	22000.
USSR	77 9 9	4331N	12441W	27759.4	43925.8	13447.3	519.	2.333	8609.	3.69	1.50	191.	8800.
USSR	70 10 2	4718N	12450W	28018.7	43912.0	11789.5	93.	1.500	5530.	3.69	2.22	1070.	6600.
USSR	70 10 5	4409N	12437W	27827.3	43933.4	13124.0	38.	2.917	10750.	3.69	1.94	250.	11000.
USSR	70 9 25	4414N	12452W	27911.3	43932.9	13034.4	49.	3.000	10996.	3.67	1.94	4.	11000.
USSR	70 9 30	4312N	12502W	27684.0	43913.6	13595.5	219.	2.083	7630.	3.66	1.87	70.	7700.
USSR	70 10 24	4418N	12451W	27819.7	43933.4	13051.1	98.	1.583	5793.	3.66	1.75	807.	6600.
USSR	70 9 24	4352N	12436W	27805.6	43931.3	13268.9	150.	2.083	7621.	3.66	2.00	79.	7700.
POLAND	70 8 20	4402N	12423W	27836.9	43933.5	13183.0	41.	3.000	10957.	3.65	2.01	43.	11000.
POLAND	70 10 9	4724N	12446W	28028.5	43909.4	11751.6	137.	3.000	10956.	3.65	1.69	2244.	13200.
USSR	70 10 3	4303N	12454W	27680.3	43911.7	13675.2	197.	4.250	15481.	3.64	1.52	2119.	17600.
USSR	77 9 0	4334N	12441W	27764.9	43926.6	13421.7	262.	2.417	8800.	3.64	1.69	0.	8800.
USSR	77 8 26	4435N	12449W	27849.6	43934.7	12902.3	153.	2.417	8800.	3.64	1.54	0.	8800.
USSR	77 9 0	4320N	12446W	27729.3	43921.1	13538.2	131.	2.000	7251.	3.63	1.69	128.	7379.
POLAND	70 9 20	4422N	12450W	27927.5	43933.9	13017.7	230.	2.417	8701.	3.60	1.90	99.	8300.
USSR	70 9 5	4355N	12448W	27788.4	43930.4	13242.6	98.	3.667	13196.	3.60	1.94	4.	13200.
POLAND	78 10 26	4447N	12423W	27910.0	43934.2	12795.5	93.	2.417	8672.	3.59	1.89	128.	8800.
POLAND	78 8 28	4356N	12428W	27830.6	43933.0	13217.6	66.	3.050	10928.	3.58	1.61	72.	11000.
USSR	70 10 4	4344N	12434W	27795.9	43930.1	13338.0	109.	2.083	7463.	3.58	2.07	17.	7480.
POLAND	70 8 22	4411N	12427W	27852.7	43934.3	13105.0	38.	5.667	20276.	3.58	1.99	2384.	22660.
USSR	77 8 26	4429N	12443W	27850.1	43934.6	12957.2	191.	1.833	6556.	3.58	1.83	44.	6600.
USSR	70 10 4	4353N	12448W	27785.0	43930.0	13259.4	49.	3.000	10722.	3.57	2.00	278.	11000.
USSR	77 9 20	4305N	12425W	27928.7	43932.9	12647.5	153.	3.063	10980.	3.56	1.74	20.	11000.
POLAND	70 8 16	4408N	12458W	27791.8	43931.4	13134.9	169.	1.750	6219.	3.55	1.87	361.	6600.
USSR	70 9 28	4353N	12433W	27812.9	43931.8	13260.6	82.	1.500	5323.	3.55	2.30	2817.	8140.
POLAND	70 9 24	4355N	12436W	27806.8	43931.6	13243.1	153.	3.083	10883.	3.53	1.92	117.	11000.

107

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YMMDD	LAT	LONG	FISHING			DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				APPROX LORAN-C 9X	PULSE RATES 9Y	PULSE RATES 9Z							
POLAND	76 930	4456N	12426W	27916.1	43933.8	12722.5	104.	3.083	10849.	3.52	1.72	151.	11000.
USSR	79 912	4502N	12422W	27930.3	43932.9	12669.4	109.	2.500	8793.	3.52	2.00	7.	8800.
USSR	77 616	4357N	12430W	27825.2	43932.7	13226.3	82.	1.833	6445.	3.52	1.80	155.	6600.
USSR	79 928	4338N	12434W	27785.5	43928.8	13369.7	112.	4.333	15210.	3.51	2.02	1070.	16280.
POLAND	79 929	4438N	12432W	27882.1	43934.9	12876.7	93.	1.750	6107.	3.49	2.19	53.	6160.
USSR	7910 2	4314N	12459W	27693.4	43915.5	13580.9	416.	1.500	5231.	3.49	1.72	49.	5280.
USSR	78 9 6	4356N	12455W	27777.5	43929.6	13233.9	87.	2.500	8708.	3.48	1.52	92.	6800.
USSR	79 9 9	4400N	12430W	27830.0	43933.1	13200.3	49.	3.083	10737.	3.48	1.83	43.	10780.
USSR	79 930	4305N	12453W	27696.3	43913.0	13659.3	197.	3.167	10998.	3.47	1.21	662.	11660.
USSR	77 9 7	4311N	12448W	27707.8	43917.0	13612.7	71.	1.167	4032.	3.46	1.56	368.	4400.
USSR	7910 5	4407N	12437W	27927.9	43933.3	13140.7	41.	0.500	1721.	3.44	1.89	2679.	4400.
USSR	77 821	4355N	12444W	27792.3	43930.5	13259.7	142.	1.917	6596.	3.44	1.80	4.	6600.
USSR	77 913	4404N	12456W	27788.9	43931.0	13167.7	118.	1.917	6593.	3.44	2.00	7.	6600.
POLAND	80 916	4326N	12441W	27750.2	43524.2	13489.9	169.	3.167	10858.	3.43	1.25	142.	11000.
POLAND	731012	4507N	12424W	27932.8	43932.6	12630.2	131.	3.167	10857.	3.43	1.67	143.	11000.
POLAND	771010	4444N	12434W	27886.6	43934.8	12927.8	115.	6.250	21404.	3.42	1.96	156.	21560.
USSR	77 9 5	4321N	12444W	27735.0	43921.9	13530.8	355.	3.000	10270.	3.42	1.47	224.	10494.
USSR	7910 6	4352N	12431W	27815.1	43931.9	13269.4	36.	3.333	11383.	3.41	1.96	57.	11440.
USSR	79 921	4417N	12454W	27812.9	43933.1	13060.1	55.	0.250	853.	3.41	1.91	27.	880.
USSR	79 928	4331N	12437W	27767.1	43526.5	13448.8	98.	3.167	10779.	3.40	1.89	221.	11000.
USSR	79 829	4548N	12441W	27950.5	43929.0	12332.9	137.	2.583	8783.	3.40	1.87	17.	8800.
USSR	7910 4	4359N	12453W	27786.0	43930.5	13209.0	49.	3.083	10465.	3.39	1.94	535.	11000.
USSR	79 930	4302N	12448W	27689.5	43912.9	13688.1	38.	2.583	8741.	3.38	1.69	59.	8800.
USSR	77 914	4437N	12434W	27879.9	43934.9	12869.5	109.	3.083	10429.	3.38	1.94	571.	11000.
USSR	77 821	4326N	12442W	27748.3	43924.0	13489.4	208.	3.250	10987.	3.38	1.80	13.	11000.
USSR	79 930	4437N	12436W	27876.4	43934.9	12870.6	68.	3.000	10129.	3.38	2.02	871.	11000.
POLAND	79 924	4357N	12437W	27811.9	43932.0	13226.1	142.	3.167	10651.	3.36	1.65	349.	11000.
USSR	7910 3	4435N	12432W	27878.0	43934.9	12901.9	68.	2.583	8684.	3.36	2.16	116.	8800.
USSR	77 824	4319N	12446W	27727.4	43920.7	13546.7	219.	3.250	10897.	3.35	1.76	103.	11000.
USSR	79 929	4404N	12454W	27792.4	43931.2	13167.5	82.	1.333	4466.	3.35	2.00	154.	4620.
USSR	79 928	4352N	12431W	27815.1	43931.9	13269.4	87.	3.167	10593.	3.35	2.16	1067.	11660.
POLAND	80 821	4445N	12421W	27911.0	43934.3	12811.1	68.	3.167	10568.	3.34	2.16	1532.	12100.
USSR	79 914	4428N	12452W	27832.9	43934.2	12969.1	109.	1.000	3337.	3.34	1.89	183.	3520.
POLAND	781015	4443N	12436W	27881.8	43934.8	12837.4	109.	3.417	11372.	3.33	1.75	288.	11660.
USSR	77 912	4346N	12444W	27780.4	43929.1	13319.0	257.	2.583	8595.	3.33	1.61	205.	8800.
POLAND	80 823	4420N	12447W	27929.8	43933.9	13033.4	87.	2.667	8859.	3.32	1.88	799.	9658.
USSR	77 820	4340N	12438W	27781.3	43928.6	13371.4	137.	3.750	12453.	3.32	1.43	747.	13200.
POLAND	80 821	4420N	12448W	27829.9	43933.8	13033.7	104.	3.917	12994.	3.32	2.00	206.	13200.
POLAND	79 926	4429N	12453W	27832.7	43934.2	12961.3	197.	2.167	7184.	3.32	2.04	76.	7250.
USSR	7810 1	4359N	12432W	27824.6	43932.8	13209.0	55.	0.667	2200.	3.30	1.92	0.	2200.
POLAND	801021	4422N	12447W	27735.0	43927.9	13034.7	189.	5.083	16739.	3.29	1.80	861.	17600.
POLAND	801021	4358N	12456W	27779.0	43929.9	13217.3	164.	4.667	15358.	3.29	1.96	42.	15400.
USSR	7810 7	4435N	12456W	27790.5	43931.2	13159.4	137.	1.333	4385.	3.29	1.65	15.	4400.
POLAND	79 825	4400N	12428W	27833.8	43933.3	13200.3	41.	5.833	19179.	3.29	1.89	28121.	47300.
USSR	78 929	4418N	12454W	27811.4	43932.9	13068.3	71.	2.000	6571.	3.29	1.70	29.	6600.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE		APPROX LORAN-C		PULSE RATES			FISHING	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)	
	YYMMDD	LAT	LONG	9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED						
USSR	78	918	4316N	12445W	27723.4	43919.8	13572.5	115.	2.000	6563.	3.28	1.54	37.	6600.
POLAND	80	826	4339N	12436W	27783.4	43928.7	13380.5	115.	2.667	8741.	3.28	1.25	59.	8800.
USSR	77	817	4346N	12435W	27801.2	43930.6	13321.0	98.	1.333	4366.	3.27	1.50	34.	4400.
USSR	77	913	4457N	12427W	27915.5	43933.8	12715.0	328.	1.833	5988.	3.27	1.78	117.	6105.
USSR	78	914	4410N	12457W	27796.8	43931.9	13118.3	137.	2.167	7044.	3.25	1.52	1756.	8800.
USSR	77	919	4431N	12438W	27861.8	43934.8	12938.4	137.	1.667	5415.	3.25	1.66	175.	5590.
POLAND	80	912	4705N	12445W	28017.9	43913.4	11843.5	60.	5.750	18660.	3.25	1.98	3340.	22000.
USSR	79	828	4447N	12433W	27892.3	43934.6	12802.3	109.	1.667	5407.	3.24	2.35	94.	5500.
USSR	79	912	4407N	12454W	27797.2	43931.7	13142.7	55.	1.250	4039.	3.23	1.92	361.	4400.
POLAND	77	1021	4516N	12433W	27928.1	43932.4	12566.8	219.	6.750	21787.	3.23	1.98	213.	22000.
USSR	79	924	4317N	12507W	27685.1	43914.7	13551.7	197.	2.917	9408.	3.23	1.75	52.	9460.
USSR	79	10	4413N	12455W	27808.5	43932.7	13092.9	66.	3.333	10731.	3.22	1.98	269.	11000.
USSR	77	820	4407N	12429W	27842.8	43933.9	13139.8	137.	2.583	8281.	3.21	1.76	827.	9108.
USSR	79	929	4435N	12438W	27857.4	43934.9	12905.0	137.	1.667	5340.	3.20	1.93	1260.	6600.
POLAND	77	1010	4446N	12434W	27889.3	43934.7	12811.3	131.	3.417	10934.	3.20	1.98	66.	11000.
USSR	79	924	4412N	12445W	27821.1	43933.2	13099.7	33.	2.333	7466.	3.20	1.96	14.	7480.
USSR	79	919	4307N	12503W	27672.1	43911.1	13635.8	175.	1.917	6118.	3.19	1.85	42.	6160.
USSR	79	930	4312N	12456W	27594.9	43915.4	13599.3	219.	3.417	10810.	3.16	1.69	190.	11000.
USSR	79	917	4438N	12449W	27852.4	43934.8	12885.0	131.	2.083	6587.	3.16	1.80	13.	6600.
POLAND	80	9	4419N	12450W	27823.0	43933.6	13042.5	115.	4.167	13146.	3.15	1.43	4454.	17600.
USSR	77	830	4350N	12435W	27808.0	43931.3	13286.5	77.	2.083	6561.	3.15	1.81	6639.	13200.
USSR	79	9	4308N	12440W	27701.8	43915.7	13637.9	137.	2.083	6559.	3.15	1.74	41.	6600.
USSR	77	9	4355N	12442W	27799.4	43931.1	13242.9	55.	1.333	4189.	3.14	1.52	211.	4400.
POLAND	80	818	4403N	12450W	27767.3	43930.8	13175.9	44.	2.000	6261.	3.13	1.69	4739.	11000.
USSR	79	924	4402N	12455W	27787.4	43930.8	13184.1	137.	2.500	7814.	3.13	1.96	2086.	9900.
USSR	79	920	4306N	12503W	27670.0	43910.6	13644.0	137.	2.250	7030.	3.12	1.89	10.	7040.
USSR	77	9	4341N	12440W	27779.3	43928.6	13362.3	137.	2.000	6221.	3.11	1.56	379.	6600.
USSR	77	828	4405N	12426W	27841.6	43933.8	13157.0	142.	2.917	9062.	3.11	1.80	54.	9117.
USSR	78	9	4347N	12434W	27801.0	43930.7	13312.2	137.	2.083	6470.	3.11	1.63	130.	6600.
USSR	78	916	4418N	12452W	27818.0	43933.3	13051.3	109.	1.417	4393.	3.10	1.46	2.	4400.
POLAND	79	9	4421N	12451W	27824.3	43933.7	13026.3	153.	1.417	4397.	3.10	1.89	3.	4400.
USSR	77	822	4431N	12502W	27820.3	43933.9	12942.9	131.	1.417	4393.	3.10	1.56	7.	4400.
USSR	77	9	4329N	12420W	27797.2	43928.9	13473.2	208.	2.833	8778.	3.10	1.80	22.	8800.
USSR	73	9	4354N	12442W	27797.7	43930.9	13251.4	93.	1.417	4389.	3.10	1.47	11.	4400.
POLAND	79	928	4435N	12438W	27871.5	43934.9	12880.0	150.	1.833	5670.	3.09	2.08	50.	5720.
POLAND	79	824	4422N	12425W	27872.5	43934.8	13009.7	33.	1.417	4377.	3.09	1.89	23.	4400.
USSR	79	927	4436N	12437W	27873.3	43934.9	12879.5	125.	1.750	5406.	3.09	2.27	94.	5500.
USSR	79	10	4441N	12431W	27887.9	43934.8	12851.0	82.	1.000	3079.	3.08	2.21	1.	3080.
USSR	79	820	4303N	12446W	27691.6	43913.4	13679.7	175.	2.917	8956.	3.07	1.85	108.	9064.
POLAND	77	1021	4452N	12433W	27898.8	43934.4	12761.0	169.	7.083	21702.	3.06	1.96	298.	22000.
USSR	79	821	4422N	12445W	27836.3	43934.1	13016.1	71.	0.667	2039.	3.06	1.85	161.	2200.
USSR	79	922	4443N	12437W	27880.1	43934.9	12838.0	131.	1.917	5861.	3.06	2.07	79.	5940.
USSR	79	9	4438N	12436W	27875.0	43934.9	12878.9	98.	2.167	6593.	3.04	1.96	7.	6600.
USSR	78	9	4356N	12439W	27806.6	43931.6	13234.5	82.	1.417	4310.	3.04	1.63	90.	4400.
POLAND	78	9	4410N	12439W	27828.9	43933.5	13115.5	71.	1.667	5070.	3.04	1.33	8130.	13200.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPRX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	77 921	4504N	12425W	27927.5	43933.0	12655.7	164.	2.167	6589.	3.04	1.67	11.	6600.
POLAND	80 826	4422N	12447W	27932.8	43934.0	13016.8	164.	3.750	11370.	3.03	1.63	6230.	17600.
POLAND	79 821	4411N	12427W	27852.7	43934.3	13105.0	36.	7.167	21723.	3.03	2.02	5777.	27500.
POLAND	8010 4	4309N	12451W	27698.2	43915.4	13627.5	164.	1.083	3281.	3.03	1.63	19.	3300.
USSR	77 821	4352N	12447W	27705.2	43929.9	13267.9	137.	1.083	43273.	3.02	1.54	27.	3300.
POLAND	79 825	4413N	12426W	27857.5	43934.5	13067.6	41.	4.083	12316.	3.02	1.94	4.	12320.
USSR	7810 1	4357N	12457W	27775.6	43929.6	13225.6	98.	1.250	3765.	3.01	1.50	635.	4400.
USSR	79 824	4402N	12429W	27835.0	43933.4	13163.0	60.	2.917	8782.	3.01	1.76	18.	8800.
USSR	78 9 1	4350N	12435W	27790.4	43931.1	13286.2	109.	1.083	3254.	3.00	1.56	46.	3300.
USSR	78 9 4	4431N	12436W	27861.8	43934.8	12938.4	109.	1.417	4254.	3.00	1.55	146.	4400.
USSR	77 821	4351N	12441W	27794.5	43930.5	13277.0	142.	1.417	4250.	3.00	1.69	150.	4400.
USSR	77 9 4	4321N	12444W	27735.0	43921.9	13530.8	273.	2.917	8693.	2.98	1.55	107.	8800.
POLAND	79 914	4403N	12433W	27791.9	43932.2	13174.9	93.	2.417	7163.	2.97	1.61	3817.	11000.
POLAND	7910 5	4435N	12435W	27872.7	43934.9	12903.5	109.	3.333	9382.	2.96	2.11	1118.	11000.
POLAND	781011	4305N	12424W	27930.5	43932.8	12646.5	142.	2.917	8646.	2.96	1.63	154.	8800.
USSR	77 831	4353N	12444W	27795.7	43930.9	13242.8	55.	2.167	6390.	2.95	1.78	210.	6600.
POLAND	801010	4310N	12451W	27790.2	43915.8	13619.1	200.	2.083	6139.	2.95	1.63	21.	6160.
USSR	77 818	4338N	12436W	27781.6	43928.5	13389.1	71.	0.750	2200.	2.93	1.43	0.	2200.
USSR	77 817	4347N	12432W	27804.8	43930.9	13312.5	98.	3.000	8800.	2.93	1.80	2200.	11000.
POLAND	801014	4300N	12453W	27675.9	43910.5	13700.8	120.	2.250	6585.	2.93	1.45	15.	6600.
USSR	77 917	4431N	12436W	27861.8	43934.8	12938.4	164.	2.250	6577.	2.92	1.85	23.	6600.
POLAND	80 9 9	4443N	12439W	27876.6	43934.9	12839.2	126.	1.500	4390.	2.92	2.00	20.	4400.
POLAND	781027	4411N	12436W	27800.1	43932.1	13109.9	126.	2.667	7770.	2.91	1.63	150.	7920.
USSR	77 829	4403N	12457W	27785.5	43930.7	13176.0	246.	2.250	6539.	2.91	1.91	61.	6600.
USSR	79 929	4404N	12453W	27794.2	43931.4	13167.4	79.	2.333	6744.	2.89	1.93	76.	6820.
USSR	79 923	4341N	12435W	27788.8	43929.3	13363.6	104.	3.750	10819.	2.89	1.69	1281.	12100.
POLAND	80 919	4335N	12436W	27778.1	43923.0	13406.3	169.	3.000	8655.	2.88	1.28	145.	8800.
POLAND	79 922	4447N	12427W	27902.9	43934.4	12798.2	79.	2.500	7209.	2.88	2.05	51.	7260.
USSR	79 822	4351N	12435W	27809.6	43931.5	13277.8	38.	1.500	4325.	2.88	1.23	75.	4400.
USSR	79 922	4413N	12459W	27798.1	43932.1	13094.0	137.	0.833	2401.	2.88	1.88	19.	2420.
POLAND	771010	4440N	12435W	27879.5	43934.9	12861.7	120.	5.083	17512.	2.88	1.89	88.	17600.
POLAND	781023	4526N	12423W	27956.0	43929.9	12476.2	104.	4.083	11725.	2.87	1.81	155.	11880.
USSR	79 915	4437N	12436W	27873.7	43934.9	12887.3	74.	3.000	8603.	2.87	2.02	28797.	37400.
USSR	79 919	4354N	12436W	27808.9	43931.7	13251.8	77.	2.417	6923.	2.86	1.83	2317.	9240.
POLAND	79 916	4318N	12424W	27945.5	43931.2	12541.1	197.	3.000	8593.	2.86	1.71	207.	8800.
USSR	78 929	4423N	12440W	27832.5	43934.1	13008.8	93.	2.667	7638.	2.86	1.70	3362.	11000.
POLAND	79 919	4353N	12447W	27786.8	43930.1	13259.5	139.	4.083	11668.	2.86	1.93	432.	12100.
POLAND	78 819	4405N	12427W	27843.5	43933.8	13156.9	77.	3.833	10940.	2.85	1.61	60.	11000.
USSR	7910 2	4310N	12455W	27692.7	43914.8	13616.5	219.	2.917	8308.	2.85	1.14	492.	8800.
POLAND	80 9 8	4450N	12432W	27898.0	43934.5	12776.8	104.	6.167	17529.	2.84	1.75	71.	17600.
USSR	77 816	4351N	12434W	27807.7	43931.4	13277.7	55.	2.417	6869.	2.84	1.70	83.	6952.
USSR	79 930	4313N	12505W	27630.7	43913.4	13585.5	219.	3.000	8522.	2.84	1.83	58.	8580.
POLAND	801014	4307N	12451W	27634.1	43914.5	13644.1	109.	1.917	5445.	2.84	1.45	55.	5500.
USSR	77 9 6	4426N	12447W	27839.7	43934.3	12983.6	126.	0.667	1890.	2.84	1.64	310.	2200.
USSR	77 821	4352N	12452W	27776.1	43929.2	13267.4	137.	2.333	6600.	2.83	1.69	0.	6600.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING				BYCATCH (LBS)	TOTAL CATCH (LBS)	
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR			SIZE LBS/FISH
USSR	79 820	4447N	12432W	27894.1	43934.6	12801.6	27.	2.333	6582.	2.82	2.02	18.	6600.
POLAND	77 9 6	4340N	12437W	27763.2	43928.8	13371.7	164.	1.500	4229.	2.82	1.65	171.	4400.
POLAND	781019	4440N	12424W	27909.5	43934.2	12767.8	93.	2.333	6571.	2.82	1.67	29.	6600.
USSR	79 927	4312N	12446W	27713.6	43918.0	13605.6	109.	3.500	9822.	2.81	1.10	78.	9900.
USSR	77 9 1	4353N	12440W	27799.8	43931.0	13260.0	153.	2.333	6548.	2.81	1.67	52.	6600.
POLAND	80 910	4438N	12433W	27880.3	43934.9	12877.3	154.	1.500	4209.	2.81	1.78	191.	4400.
POLAND	8010 9	4304N	12453W	27684.2	43912.5	13667.6	191.	2.667	7479.	2.80	1.64	2641.	10120.
USSR	78 9 7	4304N	12456W	27678.7	43911.6	13665.4	77.	2.333	6508.	2.79	1.67	92.	6600.
USSR	79 9 5	4353N	12431W	27811.8	43931.6	13236.7	98.	3.833	10664.	2.78	1.94	336.	11000.
USSR	7910 1	4443N	12433W	27887.1	43934.8	12835.5	68.	1.250	3460.	2.77	2.18	940.	4400.
USSR	77 828	4432N	12445W	27850.9	43934.7	12933.2	109.	2.333	6420.	2.75	1.63	180.	6600.
USSR	79 910	4356N	12452W	27782.8	43930.0	13234.0	60.	0.833	2291.	2.75	2.00	349.	2640.
POLAND	79 822	4400N	12427W	27945.0	43933.9	13148.3	44.	3.500	9589.	2.74	2.24	91.	9690.
USSR	78 929	4406N	12455W	27793.9	43931.5	13151.0	77.	1.583	4335.	2.74	1.56	65.	4400.
POLAND	79 910	4433N	12435W	27869.9	43934.9	12920.2	44.	4.800	13141.	2.74	1.96	59.	13200.
USSR	79 919	4311N	12502W	27682.0	43913.3	13603.7	175.	2.083	5696.	2.73	1.83	24.	5720.
POLAND	79 828	4426N	12425W	27878.2	43934.9	12975.3	27.	4.000	10859.	2.71	2.05	141.	11000.
POLAND	79 928	4423N	12448W	27832.5	43934.1	13008.8	190.	2.417	6533.	2.70	1.86	67.	6600.
POLAND	80 816	4401N	12457W	27782.2	43930.3	13192.5	246.	1.833	4925.	2.69	1.52	2775.	7700.
POLAND	80 819	4444N	12427W	27899.0	43934.6	12823.4	74.	1.917	5144.	2.68	2.20	52056.	57200.
POLAND	7910 2	4434N	12450W	27945.1	43934.6	12919.1	213.	1.583	4237.	2.68	1.91	163.	4400.
USSR	78 9 1	4344N	12435W	27794.0	43930.0	13337.8	93.	0.750	2002.	2.67	1.43	198.	2200.
USSR	79 820	4411N	12435W	27837.8	43933.9	13106.4	41.	0.417	1100.	2.64	2.31	0.	1100.
USSR	78 9 1	4355N	12446W	27792.0	43930.6	13242.7	93.	1.667	4400.	2.64	1.58	0.	4400.
USSR	78 917	4431N	12436W	27865.3	43934.8	12937.5	55.	1.667	4400.	2.64	1.60	0.	4400.
USSR	79 9 9	4350N	12432W	27809.9	43931.5	13286.6	60.	1.583	4178.	2.64	1.67	2.	4180.
USSR	77 9 7	4309N	12448W	27703.8	43916.2	13629.5	191.	1.250	3293.	2.63	1.69	7.	3300.
USSR	77 829	4356N	12458W	27772.1	43929.2	13233.8	82.	0.833	2192.	2.63	1.64	8.	2200.
USSR	79 922	4350N	12432W	27823.0	43932.7	13217.6	77.	3.500	9179.	2.62	1.47	61.	9240.
POLAND	80 9 9	4447N	12435W	27888.9	43934.7	12803.6	159.	2.500	6544.	2.62	1.87	56.	6600.
POLAND	78 825	4359N	12441W	27807.8	43931.9	13209.0	71.	3.333	8705.	2.61	1.52	95.	8800.
USSR	77 820	4357N	12457W	27775.6	43929.6	13225.6	66.	1.667	4336.	2.60	1.60	64.	4400.
USSR	78 9 2	4353N	12444W	27792.3	43930.5	13259.7	55.	0.417	1083.	2.60	1.69	17.	1100.
POLAND	8010 6	4405N	12455W	27793.9	43931.5	13151.0	159.	2.500	6494.	2.60	1.74	106.	6600.
POLAND	78 9 3	4330N	12440W	27759.5	43925.7	13456.2	191.	2.500	6492.	2.60	1.47	108.	6600.
USSR	79 917	4427N	12450W	27854.9	43934.2	12976.5	120.	2.250	5634.	2.59	1.95	108.	5940.
USSR	77 821	4353N	12446W	27738.7	43930.2	13259.5	77.	0.833	2156.	2.59	1.60	44.	2200.
USSR	77 824	4432N	12440W	27859.6	43934.8	12930.9	109.	1.667	4296.	2.58	1.67	104.	4400.
POLAND	79 919	4354N	12450W	27783.1	43929.9	13250.8	115.	3.917	10092.	2.58	1.94	908.	11000.
POLAND	801013	4307N	12451W	27694.1	43914.5	13644.1	112.	3.417	8782.	2.57	1.34	18.	8800.
POLAND	78 927	4721N	12445W	28027.6	43909.9	11764.4	93.	2.333	5967.	2.56	1.80	633.	6600.
USSR	79 9 9	4529N	12424W	27957.6	43929.6	12453.8	82.	0.167	426.	2.55	2.01	14.	440.
USSR	77 828	4432N	12446W	27849.1	43934.7	12933.7	109.	3.417	8717.	2.55	1.72	83.	8800.
USSR	79 930	4305N	12500W	27673.4	43911.0	13654.3	219.	3.417	8716.	2.55	1.23	84.	8800.
USSR	77 9 7	4320N	12445W	27731.2	43921.3	13538.8	213.	2.583	6578.	2.55	1.69	22.	6600.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPDIX LORAN-C PULSF RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 9 19	4429N	12454W	27331.0	43934.2	12961.7	98.	2.583	6548.	2.53	1.96	52.	6600.
USSR	79 10 1	4317N	12506W	27696.9	43915.0	13552.3	525.	3.000	7601.	2.53	1.67	99.	7700.
USSR	78 9 1	4354N	12452W	27779.5	43929.6	13250.7	148.	2.583	6545.	2.53	1.58	55.	6600.
USSR	77 8 23	4326N	12442W	27748.3	43924.0	13489.4	219.	2.583	6527.	2.53	1.60	73.	6600.
POLAND	80 8 22	4400N	12456W	27732.3	43930.3	13200.7	55.	5.333	13466.	2.52	1.56	8534.	22000.
POLAND	79 9 24	4336N	12435W	27733.5	43928.6	13389.4	142.	3.000	7554.	2.52	1.99	146.	7700.
USSR	79 9 17	4429N	12452W	27834.4	43934.3	12960.9	167.	1.750	4399.	2.51	2.00	1.	4400.
POLAND	79 10 3	4446N	12433W	27893.7	43934.6	12794.0	120.	2.583	6493.	2.51	2.24	107.	6600.
POLAND	78 9 20	4436N	12436W	27875.0	43934.9	12878.9	120.	4.250	10675.	2.51	1.64	325.	11000.
USSR	77 8 23	4422N	12449W	27829.3	43933.9	13017.4	148.	1.750	4396.	2.51	2.07	4.	4400.
USSR	77 9 9	4337N	12441W	27770.3	43927.4	13396.2	268.	3.500	8789.	2.51	1.69	11.	8800.
USSR	79 9 29	4337N	12438W	27776.0	43927.9	13397.1	77.	1.750	4389.	2.51	1.94	11.	4400.
POLAND	80 10 19	4446N	12431W	27894.5	43934.6	12809.3	104.	4.333	10804.	2.49	2.15	196.	11000.
USSR	78 9 6	4355N	12441W	27801.2	43931.2	13242.9	82.	2.583	6434.	2.49	1.56	166.	6600.
USSR	79 8 31	4357N	12445W	27791.7	43930.7	13225.8	62.	3.333	8278.	2.48	1.85	82.	8360.
POLAND	78 8 23	4406N	12435W	27830.0	43933.4	13149.1	60.	4.000	9925.	2.48	1.62	195.	10120.
POLAND	79 8 25	4411N	12427W	27852.7	43934.3	13105.0	41.	2.000	4954.	2.48	1.92	3846.	8800.
POLAND	80 10 21	4419N	12500W	27791.6	43931.5	13118.7	157.	5.750	14234.	2.48	1.94	66.	14300.
POLAND	80 9 1	4408N	12458W	27791.8	43931.4	13134.9	109.	5.250	12976.	2.47	1.61	224.	13200.
POLAND	79 9 12	4508N	12425W	27932.3	43932.5	12623.0	169.	1.750	4322.	2.47	1.92	78.	4400.
USSR	77 9 8	4320N	12446W	27729.3	43921.1	13538.2	131.	1.750	4314.	2.47	1.69	64.	4378.
USSR	79 8 23	4352N	12448W	27733.3	43929.6	13267.8	159.	1.333	3283.	2.46	2.17	17.	3300.
USSR	79 8 28	4305N	12449W	27693.8	43914.1	13662.3	27.	4.250	10453.	2.46	1.94	41.	10494.
USSR	79 9 8	4347N	12431W	27806.8	43931.1	13312.7	0.	2.833	6953.	2.45	1.36	307.	7260.
POLAND	79 9 7	4421N	12454W	27819.0	43933.5	13027.2	120.	3.583	6781.	2.45	1.86	19.	8800.
USSR	79 8 23	4354N	12445W	27792.2	43930.6	13251.2	98.	2.667	6480.	2.43	1.69	120.	6600.
POLAND	80 10 22	4359N	12459W	27775.4	43929.7	13209.0	164.	6.333	15344.	2.42	1.98	56.	15400.
USSR	79 10 3	4325N	12452W	27727.6	43921.6	13493.3	153.	3.500	8466.	2.42	1.76	334.	8800.
USSR	77 9 11	4320N	12446W	27729.3	43921.1	13538.2	131.	1.167	2807.	2.41	1.72	317.	3124.
USSR	77 9 1	4359N	12456W	27780.7	43930.1	13209.0	219.	2.250	5398.	2.40	1.71	520.	5918.
USSR	77 9 17	4449N	12431W	27898.4	43934.5	12784.3	82.	2.750	6587.	2.40	1.80	13.	6600.
USSR	77 9 9	4320N	12446W	27729.3	43921.1	13538.2	164.	2.083	4983.	2.39	1.63	128.	5111.
POLAND	77 9 9	4558N	12421W	27991.8	43923.8	12229.7	71.	3.500	8339.	2.38	2.01	4861.	13200.
USSR	79 9 17	4439N	12429W	27988.8	43934.8	12866.7	52.	1.633	4367.	2.38	1.87	33.	4400.
USSR	79 8 20	4400N	12426W	27833.8	43933.3	13200.3	55.	3.583	8507.	2.37	1.87	51.	8558.
POLAND	79 10 6	4428N	12445W	27845.1	43934.5	12966.3	137.	3.000	7083.	2.36	1.94	1717.	8800.
USSR	79 9 12	4406N	12508W	27771.4	43929.9	13152.3	82.	1.833	4286.	2.34	1.94	114.	4400.
USSR	79 9 13	4447N	12426W	27904.7	43934.4	12797.6	52.	3.167	7399.	2.34	1.89	961.	8360.
USSR	77 8 24	4334N	12436W	27774.5	43927.5	13423.5	153.	4.667	10901.	2.34	1.76	99.	11000.
USSR	79 9 3	4356N	12450W	27785.4	43930.3	13234.1	55.	2.833	6600.	2.33	1.91	0.	6600.
USSR	79 10 2	4443N	12433W	27878.3	43934.9	12838.6	93.	1.417	3300.	2.33	2.29	0.	3300.
POLAND	78 10 10	4532N	12425W	27959.2	43929.3	12431.7	120.	3.000	6981.	2.33	1.96	1819.	8800.
POLAND	80 10 13	4301N	12449W	27635.5	43912.2	13695.6	120.	1.417	3281.	2.32	1.41	19.	3300.
USSR	79 9 15	4356N	12456W	27779.0	43929.9	13217.3	55.	2.833	6540.	2.31	1.85	60.	6600.
POLAND	79 8 23	4406N	12427W	27845.0	43933.9	13149.3	77.	1.917	4422.	2.31	1.91	1518.	5940.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	77 7 2	4341N	12435W	27783.0	43928.9	13362.8	197.	9.583	21934.	2.29	1.80	66.	22000.
USSR	77 8 16	4346N	12432W	27806.5	43931.1	13303.9	60.	2.500	5709.	2.28	1.43	891.	6600.
USSR	77 9 7	4346N	12437W	27793.6	43930.1	13320.2	383.	2.833	6468.	2.28	1.72	132.	6600.
USSR	78 10 4	4421N	12455W	27817.3	43933.4	13027.5	109.	1.917	4338.	2.26	1.69	62.	4400.
USSR	78 10 5	4340N	12432W	27956.3	43929.0	12379.7	82.	3.833	8650.	2.26	1.63	150.	8800.
USSR	79 8 20	4408N	12436W	27831.3	43933.5	13132.1	38.	2.083	4667.	2.24	2.11	173.	4840.
USSR	77 8 24	4333N	12432W	27780.5	43927.9	13433.5	126.	1.833	4102.	2.24	1.50	298.	4400.
POLAND	80 9 10	4456N	12427W	27916.8	43933.7	12706.8	120.	4.750	10598.	2.23	2.13	402.	11000.
USSR	76 10 11	4440N	12450W	27896.3	43934.6	12808.6	33.	2.917	6495.	2.23	1.65	105.	6600.
POLAND	79 8 22	4403N	12427W	27940.4	43933.7	13174.3	55.	1.917	4258.	2.22	2.05	142.	4400.
POLAND	80 9 18	4310N	12448W	27915.8	43916.6	13621.1	137.	2.750	6102.	2.22	1.19	498.	6600.
USSR	79 9 15	4357N	12449W	27789.9	43930.6	13225.8	55.	1.750	3381.	2.22	2.02	79.	3960.
USSR	78 10 24	4436N	12441W	27863.5	43934.9	12898.2	71.	2.833	6262.	2.21	1.75	558.	6820.
USSR	79 8 21	4406N	12429W	27841.3	43933.8	13148.5	60.	1.000	2200.	2.20	2.13	0.	2200.
USSR	77 9 9	4318N	12444W	27729.2	43920.8	13556.2	208.	1.500	3290.	2.19	1.69	10.	3300.
USSR	78 8 16	4425N	12445W	27840.7	43934.3	12991.2	55.	1.000	2191.	2.19	1.63	229.	2420.
POLAND	79 9 29	4444N	12441W	27874.5	43934.9	12832.2	148.	5.000	10904.	2.18	2.01	96.	11000.
POLAND	77 10 11	4442N	12435W	27892.2	43934.8	12845.1	186.	7.833	17072.	2.18	1.76	528.	17600.
USSR	78 8 28	4354N	12442W	27797.7	43930.9	13251.4	77.	0.917	1994.	2.18	1.55	206.	2200.
POLAND	78 10 4	4726N	12446W	28030.0	43903.9	11741.8	60.	3.083	6694.	2.17	1.96	786.	7480.
USSR	79 9 30	4356N	12456W	27775.7	43929.5	13233.9	55.	2.500	5415.	2.17	1.91	85.	5500.
USSR	77 8 16	4355N	12432W	27814.8	43932.0	13260.7	82.	1.333	2886.	2.17	1.56	412.	3300.
USSR	77 8 23	4444N	12444W	27369.3	43934.9	12834.1	164.	2.000	4314.	2.16	1.69	86.	4400.
USSR	79 9 25	4306N	12453W	27588.3	43913.5	13651.0	148.	2.833	6104.	2.15	1.41	496.	6600.
USSR	77 9 11	4327N	12446W	27742.6	43923.5	13479.1	120.	1.500	3228.	2.15	1.94	336.	3564.
POLAND	80 9 5	4356N	12433W	27821.1	43932.6	13217.6	49.	2.667	5702.	2.14	1.81	892.	6600.
USSR	77 8 20	4331N	12439W	27763.3	43926.1	13448.1	82.	1.750	3741.	2.14	1.56	659.	4400.
USSR	79 9 11	4359N	12431W	27826.5	43932.9	13209.0	60.	3.083	6573.	2.13	1.17	27.	6600.
USSR	79 9 22	4407N	12455W	27795.5	43931.6	13142.8	71.	2.000	4222.	2.11	1.96	178.	4400.
USSR	79 9 19	4427N	12435W	27861.4	43934.6	12970.7	55.	2.500	5273.	2.11	2.00	7.	5280.
POLAND	78 8 27	4415N	12435W	27843.8	43934.2	13072.3	61.	4.167	8721.	2.09	1.69	79.	8800.
USSR	77 9 7	4319N	12447W	27725.5	43920.5	13546.1	169.	2.000	4175.	2.09	1.74	225.	4400.
USSR	79 9 16	4359N	12445W	27800.4	43931.4	13209.0	55.	1.250	2501.	2.08	1.89	39.	2640.
USSR	77 9 25	4344N	12433W	27777.8	43930.2	13338.2	22.	2.750	5708.	2.08	1.83	892.	6600.
USSR	77 9 9	4336N	12441W	27768.5	43927.1	13404.7	252.	3.167	6557.	2.07	1.69	43.	6600.
USSR	77 8 16	4350N	12430W	27813.7	43931.7	13286.8	82.	3.167	6510.	2.06	1.80	90.	6600.
USSR	79 9 19	4412N	12453W	27806.9	43932.5	13101.1	55.	2.917	5980.	2.05	2.00	620.	6600.
USSR	79 10 4	4415N	12453W	27811.6	43932.9	13076.3	71.	4.250	8712.	2.05	1.96	88.	8800.
POLAND	79 10 5	4429N	12453W	27832.7	43934.2	12961.3	202.	2.083	4263.	2.05	1.92	137.	4400.
POLAND	80 10 17	4434N	12436W	27869.5	43934.9	12912.3	109.	1.500	3059.	2.04	1.76	21.	3080.
POLAND	80 9 7	4423N	12449W	27830.8	43934.0	13009.2	175.	3.167	6453.	2.04	1.52	147.	6600.
USSR	79 10 1	4442N	12436W	27880.5	43934.9	12845.7	98.	2.667	5426.	2.03	1.91	74.	5500.
USSR	78 10 5	4342N	12433W	27956.8	43928.8	12366.0	87.	2.667	5423.	2.03	1.63	1177.	6600.
POLAND	80 8 21	4447N	12424W	27908.2	43934.3	12796.2	68.	4.833	9825.	2.03	2.09	1175.	11000.
USSR	79 9 25	4345N	12435W	27793.8	43930.0	13329.0	137.	2.667	5416.	2.03	1.76	84.	5500.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPRDX LORAN-C PULSE RATES			FISHING					TOTAL CATCH (LBS)	
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH		BYCATCH (LBS)
USSR	77 816	4333N	12436W	27768.8	43926.9	13431.3	77.	2.167	4400.	2.03	1.42	0.	4400.
USSR	77 827	4431N	12442W	27854.7	43934.7	12940.1	203.	3.250	6589.	2.03	1.83	11.	6600.
USSR	79 918	4428N	12450W	27826.1	43934.0	12970.7	96.	4.667	9447.	2.02	1.85	37413.	46860.
POLAND	8010 5	4352N	12448W	27763.3	43929.8	13267.8	142.	0.833	1683.	2.02	1.94	77.	1760.
USSR	79 924	4312N	12502W	27684.0	43913.6	13595.5	235.	3.167	6394.	2.02	1.12	206.	6600.
POLAND	78 925	4714N	12452W	28013.0	43913.5	11813.9	115.	3.583	7232.	2.02	1.85	3768.	11000.
POLAND	7910 4	4441N	12435W	27990.9	43934.9	12853.4	120.	3.233	6489.	2.01	2.18	111.	6600.
USSR	79 921	4427N	12453W	27829.7	43934.1	12977.7	175.	2.167	4342.	2.00	1.78	58.	4400.
POLAND	79 822	4415N	12425W	27859.4	43934.5	13087.4	33.	3.833	7654.	2.00	1.98	46.	7700.
USSR	78 816	4422N	12450W	27827.5	43933.9	13017.7	109.	2.167	4296.	1.98	1.67	104.	4400.
USSR	79 930	4315N	12500W	27689.5	43914.8	13588.5	219.	3.333	6591.	1.98	1.43	9.	6600.
USSR	7910 4	4717N	12450W	28018.0	43912.2	11794.6	82.	2.167	4262.	1.97	2.12	358.	4620.
USSR	77 825	4420N	12440W	27842.2	43934.3	13031.3	109.	3.333	6534.	1.96	1.63	66.	6600.
USSR	77 823	4430N	12440W	27863.8	43934.9	12906.0	164.	2.250	4380.	1.95	1.65	20.	4400.
USSR	78 817	4405N	12430W	27839.4	43933.7	13148.6	77.	3.417	6600.	1.93	1.63	0.	6600.
USSR	79 930	4301N	12502W	27661.5	43908.3	13685.6	191.	2.917	5624.	1.93	1.54	96.	5720.
USSR	781017	4438N	12437W	27873.3	43934.9	12879.5	120.	2.250	4326.	1.92	1.61	74.	4400.
USSR	7910 3	4408N	12438W	27827.6	43933.3	13132.4	38.	3.333	6358.	1.91	2.28	242.	6600.
USSR	79 926	4351N	12433W	27809.6	43931.5	13277.8	87.	2.250	4291.	1.91	1.78	109.	4400.
USSR	79 929	4340N	12436W	27785.1	43928.9	13371.9	120.	2.167	4130.	1.91	2.00	270.	4400.
POLAND	801011	4407N	12457W	27792.0	43931.4	13143.0	109.	6.000	11379.	1.90	1.89	61.	11440.
USSR	7910 1	4310N	12455W	27692.7	43914.8	13616.5	202.	3.250	6153.	1.89	1.72	447.	6600.
USSR	79 922	4311N	12500W	27685.6	43913.9	13605.0	235.	1.833	3465.	1.89	1.60	55.	3520.
POLAND	79 930	4427N	12448W	27838.4	43934.3	12975.8	202.	1.583	2984.	1.88	1.87	96.	3080.
USSR	78 920	4352N	12454W	27772.5	43928.9	13267.2	104.	1.167	2195.	1.88	1.62	5.	2200.
USSR	78 927	4408N	12455W	27797.1	43931.8	13134.5	115.	1.167	2194.	1.88	1.78	6.	2200.
USSR	79 923	4441N	12458W	27841.4	43934.7	12866.6	202.	2.333	4388.	1.88	1.54	12.	4400.
USSR	77 913	4308N	12451W	27696.1	43914.9	13635.8	120.	2.333	4377.	1.88	1.61	23.	4400.
POLAND	79 829	4427N	12424W	27861.5	43934.9	12966.3	27.	4.167	7811.	1.87	1.99	109.	7920.
USSR	78 928	4408N	12456W	27795.3	43931.7	13134.6	109.	2.167	4058.	1.87	1.58	4742.	8800.
USSR	77 911	4310N	12448W	27705.8	43916.6	13621.1	153.	2.333	4368.	1.87	1.91	32.	4400.
USSR	79 914	4445N	12427W	27900.3	43934.5	12815.0	55.	1.167	2184.	1.87	2.00	16.	2200.
USSR	79 828	4304N	12447W	27695.5	43914.2	13672.1	153.	6.000	11220.	1.87	1.76	68.	11308.
USSR	79 910	4410N	12451W	27807.3	43932.5	13117.4	153.	1.750	3270.	1.87	1.98	50.	3300.
USSR	77 828	4432N	12444W	27852.6	43934.7	12932.8	219.	2.333	4352.	1.86	1.83	48.	4400.
POLAND	7910 5	4426N	12449W	27835.2	43934.2	12904.4	213.	2.500	4659.	1.86	1.86	181.	4840.
USSR	79 9 3	4306N	12449W	27695.8	43914.6	13653.9	126.	2.333	4347.	1.86	1.69	53.	4400.
POLAND	79 9 6	4424N	12447W	27835.7	43934.2	13000.2	120.	3.583	6593.	1.84	1.91	7.	6600.
POLAND	80 915	4453N	12434W	27898.4	43934.4	12753.5	137.	3.417	6285.	1.84	1.83	315.	6600.
USSR	79 9 1	4351N	12431W	27813.4	43931.7	13278.1	11.	2.750	5053.	1.84	1.86	1987.	7040.
POLAND	78 928	4719N	12447W	28023.4	43911.0	11778.4	219.	1.250	2292.	1.83	1.77	2108.	4400.
USSR	77 824	4433N	12437W	27866.3	43934.9	12921.2	27.	1.167	2131.	1.83	1.72	2269.	4400.
USSR	79 927	4436N	12435W	27874.1	43934.9	12895.1	87.	3.250	5927.	1.82	1.83	13.	5940.
USSR	79 911	4359N	12457W	27778.9	43930.0	13209.0	82.	1.750	3172.	1.81	1.85	128.	3300.
USSR	79 928	4349N	12435W	27802.5	43930.9	13294.8	93.	5.833	10432.	1.79	2.09	6068.	16500.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	7910 5	4408N	12500W	27788.4	43931.2	13135.1	213.	2.250	4000.	1.78	1.96	400.	4400.
USSR	79 911	4437N	12434W	27877.2	43934.9	12886.2	66.	2.833	5009.	1.77	1.45	51.	5060.
USSR	79 918	4434N	12432W	27876.6	43934.9	12910.4	55.	2.333	4115.	1.76	1.87	1825.	5940.
POLAND	78 915	4401N	12440W	27812.9	43932.3	13192.0	77.	5.133	9023.	1.76	1.56	7697.	16720.
USSR	79 822	4415N	12429W	27854.9	43934.5	13071.0	49.	7.167	12594.	1.76	2.19	606.	13200.
USSR	77 830	4408N	12446W	27813.1	43932.7	13133.4	55.	3.500	6148.	1.76	1.65	7052.	13200.
POLAND	79 917	4506N	12422W	27935.1	43932.5	12636.4	137.	2.500	4385.	1.75	1.96	15.	4400.
USSR	79 924	4417N	12454W	27812.9	43933.1	13050.1	27.	0.833	1461.	1.75	1.84	739.	2200.
POLAND	79 827	4423N	12425W	27874.0	43934.9	13001.1	36.	4.917	8596.	1.75	1.99	20444.	29040.
USSR	79 918	4422N	12454W	27829.5	43934.1	12969.9	115.	2.500	4355.	1.74	1.98	45.	4400.
USSR	77 9 2	4357N	12444W	27799.9	43931.2	13225.9	66.	0.917	1595.	1.74	2.05	7205.	8800.
USSR	79 9 2	4404N	12454W	27792.4	43931.2	13167.5	71.	1.250	2174.	1.74	1.95	26.	2200.
USSR	7910 3	4415N	12444W	27727.5	43933.6	13074.3	38.	1.750	3040.	1.74	1.96	260.	3300.
USSR	7910 4	4723N	12446W	28027.8	43909.7	11756.5	82.	0.500	869.	1.74	2.22	231.	1100.
USSR	77 822	4351N	12442W	27792.7	43930.4	13276.8	159.	1.250	2170.	1.74	1.55	30.	2200.
POLAND	771022	4458N	12428W	27915.0	43933.7	12707.6	160.	4.250	7364.	1.73	1.96	127.	7491.
POLAND	80 816	4345N	12445W	27766.9	43928.7	13327.3	317.	7.583	13019.	1.72	1.36	181.	13200.
POLAND	801018	4434N	12435W	27871.3	43934.9	12911.8	93.	3.167	5436.	1.72	1.32	5124.	10560.
USSR	79 816	4409N	12500W	27790.0	43931.4	13126.9	109.	2.500	4279.	1.71	1.84	121.	4400.
USSR	7910 6	4354N	12452W	27779.5	43929.6	13250.7	186.	3.083	5275.	1.71	1.89	1325.	6600.
USSR	79 821	4403N	12429W	27844.3	43934.0	13131.2	44.	2.417	4121.	1.71	2.09	279.	4400.
USSR	77 9 9	4331N	12440W	27761.4	43925.9	13447.7	224.	2.500	4262.	1.70	1.54	138.	4400.
POLAND	79 917	4523N	12429W	27948.3	43930.4	12467.8	175.	3.167	5394.	1.70	1.84	106.	5500.
USSR	77 916	4432N	12442W	27856.1	43934.8	12931.8	126.	3.833	6524.	1.70	1.83	76.	6600.
USSR	77 822	4336N	12435W	27780.0	43926.2	13406.6	104.	1.167	1984.	1.70	1.47	216.	2200.
POLAND	7910 2	4436N	12449W	27849.5	43934.7	12902.3	202.	1.250	2106.	1.68	1.98	94.	2200.
USSR	77 9 7	4305N	12454W	27694.4	43912.7	13658.6	180.	2.500	4200.	1.68	1.63	200.	4400.
USSR	7910 2	4309N	12501W	27679.8	43912.7	13620.9	235.	4.500	7522.	1.67	1.85	178.	7700.
USSR	79 922	4444N	12432W	27890.2	43934.7	12826.6	66.	2.500	4160.	1.66	2.13	20.	4180.
POLAND	79 917	4520N	12425W	27946.1	43931.1	12526.2	197.	5.250	8715.	1.66	1.93	85.	8800.
USSR	79 926	4341N	12436W	27786.9	43929.2	13363.3	90.	3.583	5903.	1.65	1.76	257.	6160.
POLAND	80 9 8	4458N	12438W	27991.3	43934.2	12714.2	131.	1.333	2196.	1.65	1.75	4.	2200.
POLAND	80 824	4454N	12425W	27918.8	43933.7	12736.8	112.	2.667	4380.	1.64	1.85	20.	4400.
USSR	77 828	4359N	12457W	27777.2	43929.8	13217.3	164.	2.000	3284.	1.64	1.83	17.	3300.
POLAND	771023	4502N	12431W	27914.8	43933.6	12677.4	208.	7.167	11733.	1.64	1.98	68.	11821.
POLAND	8010 4	4407N	12436W	27829.7	43933.4	13140.6	77.	2.500	4082.	1.63	1.85	35838.	40920.
USSR	79 910	4414N	12451W	27813.6	43933.0	13084.2	109.	2.000	3259.	1.63	1.85	41.	3300.
POLAND	801012	4404N	12433W	27821.3	43932.9	13166.4	60.	3.000	4876.	1.63	1.95	50124.	55000.
POLAND	79 826	4401N	12426W	27839.2	43933.5	13191.6	41.	5.333	6655.	1.62	1.99	145.	8800.
USSR	78 919	4315N	12442W	27727.2	43920.2	13582.8	74.	1.333	2155.	1.62	1.55	45.	2200.
USSR	79 927	4442N	12437W	27878.7	43934.9	12846.3	77.	3.667	5893.	1.61	2.07	47.	5940.
POLAND	79 819	4418N	12459W	27305.8	43932.8	13053.2	219.	1.333	2139.	1.60	1.74	61.	2200.
POLAND	79 816	4406N	12458W	27788.6	43931.1	13151.3	137.	2.583	4124.	1.60	1.78	276.	4400.
USSR	77 822	4322N	12437W	27750.4	43923.8	13526.0	137.	2.750	4365.	1.59	1.46	35.	4400.
POLAND	7910 6	4437N	12432W	27870.1	43934.9	12888.3	115.	5.333	8399.	1.57	2.15	4801.	13200.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION.***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE	LAT	LUNG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 9 8	4350N	12431W	2731.8	43931.6	13286.7	60.	2.583	4068.	1.57	1.76	332.	4400.
USSR	79 9 24	4400N	12450W	27784.1	43930.4	13200.7	164.	2.417	3792.	1.57	2.07	608.	4400.
USSR	77 8 22	4335N	12444W	27751.0	43926.3	13412.2	109.	2.500	3922.	1.57	1.47	478.	4400.
POLAND	73 8 26	4409N	12428W	27247.7	43934.1	13122.5	65.	2.083	3247.	1.56	1.58	1153.	4400.
USSR	77 9 9	4320N	12445W	27731.2	43921.3	13539.8	197.	2.833	4386.	1.55	1.69	14.	4400.
POLAND	78 8 26	4415N	12442W	27831.1	43933.6	13073.9	66.	2.833	4375.	1.54	1.58	25.	4400.
USSR	79 9 26	4446N	12436W	27925.8	43934.8	12812.6	137.	2.417	3731.	1.54	1.96	9.	3740.
USSR	77 8 22	4334N	12435W	27776.4	43927.7	13423.8	206.	2.750	4224.	1.54	1.80	176.	4400.
USSR	79 9 4	4309N	12449W	27701.9	43915.9	13620.8	194.	2.633	4346.	1.53	1.80	54.	4400.
USSR	79 8 21	4405N	12429W	27839.7	43933.7	13157.1	60.	1.417	2172.	1.53	2.13	28.	2200.
USSR	78 10 4	4409N	12457W	27795.2	43931.7	13126.5	87.	1.500	2297.	1.53	1.69	1003.	3300.
USSR	79 9 12	4504N	12427W	27924.1	43933.1	12657.5	118.	3.583	5477.	1.53	1.74	23.	5500.
USSR	79 9 10	4436N	12432W	27879.4	43934.9	12893.5	109.	1.417	2159.	1.52	1.95	41.	2200.
USSR	79 10 5	4408N	12454W	27778.8	43931.9	13134.4	33.	2.083	3148.	1.51	2.13	152.	3300.
POLAND	79 9 26	4442N	12436W	27900.5	43934.9	12845.7	126.	2.917	4396.	1.51	1.99	4.	4400.
USSR	79 9 26	4334N	12434W	27778.3	43927.8	13424.2	93.	1.833	2746.	1.50	1.77	23654.	26400.
POLAND	79 9 19	4532N	12422W	27954.3	43929.7	12435.5	126.	2.917	4355.	1.49	1.74	45.	4400.
POLAND	80 10 6	4305N	12451W	27690.0	43913.5	13660.8	164.	1.917	2856.	1.49	1.67	4.	2860.
POLAND	80 10 7	4330N	12443W	27793.9	43925.1	13455.0	87.	3.500	5207.	1.49	1.89	73.	5280.
USSR	79 9 11	4406N	12451W	27801.0	43931.9	13150.6	82.	2.750	4067.	1.48	1.84	553.	4620.
USSR	77 9 15	4439N	12436W	27872.9	43934.9	12871.7	120.	2.750	4063.	1.48	1.88	337.	4400.
USSR	77 9 6	4346N	12441W	27789.5	43929.9	13302.5	213.	2.833	4178.	1.47	1.71	222.	4400.
USSR	77 9 13	4437N	12439W	27770.2	43931.6	12918.7	383.	2.167	3188.	1.47	1.61	112.	3300.
USSR	79 9 22	4446N	12431W	27894.5	43934.6	12809.3	66.	2.000	2937.	1.47	2.09	363.	3300.
POLAND	79 9 24	4351N	12437W	27802.0	43931.0	13277.4	145.	2.833	4145.	1.46	1.96	255.	4400.
POLAND	79 9 9	4513N	12419W	27948.3	43931.3	12576.1	115.	4.500	6574.	1.46	1.94	26.	6600.
POLAND	80 10 8	4450N	12430W	27901.5	43934.4	12775.3	82.	5.500	8035.	1.46	2.02	105.	8140.
USSR	78 9 26	4411N	12456W	27800.1	43932.1	13109.9	115.	1.500	2188.	1.46	1.56	12.	2200.
USSR	79 9 23	4419N	12449W	27824.7	43933.6	13042.3	55.	0.750	1078.	1.44	2.09	22.	1100.
USSR	79 9 24	4406N	12441W	27822.1	43933.1	13132.7	38.	2.833	4053.	1.43	1.85	347.	4400.
USSR	79 9 31	4355N	12450W	27704.7	43930.1	13242.5	55.	3.000	4288.	1.43	0.33	112.	4400.
USSR	79 9 9	4544N	12436W	27954.2	43929.0	12355.3	93.	1.500	2142.	1.43	1.82	58.	2200.
USSR	77 8 26	4355N	12455W	27772.4	43929.0	13258.8	87.	0.750	1071.	1.43	1.68	29.	1100.
USSR	78 9 30	4418N	12451W	27819.7	43933.4	13051.1	109.	2.250	3207.	1.43	1.56	7793.	11000.
USSR	79 10 3	4312N	12500W	27687.6	43914.3	13595.8	219.	3.083	4348.	1.41	1.61	52.	4400.
USSR	79 9 28	4345N	12433W	27799.5	43930.4	13329.6	79.	3.000	4228.	1.41	2.09	172.	4400.
USSR	79 9 4	4358N	12435W	27817.3	43932.4	13217.5	116.	3.667	5135.	1.40	1.71	145.	5280.
USSR	79 8 22	4410N	12429W	27847.4	43934.1	13114.0	44.	2.250	3140.	1.40	2.09	160.	3300.
USSR	79 9 3	4351N	12432W	27811.5	43931.6	13278.0	104.	2.250	3132.	1.39	2.02	168.	3300.
USSR	79 10 3	4317N	12459W	27679.4	43916.8	13556.2	230.	2.500	3478.	1.39	1.56	922.	4400.
USSR	79 9 4	4346N	12432W	27806.5	43931.1	13303.9	98.	2.167	3003.	1.39	1.70	1397.	4400.
USSR	79 8 22	4350N	12432W	27809.9	43931.5	13286.6	44.	2.333	3219.	1.38	1.50	81.	3300.
POLAND	79 9 27	4434N	12438W	27866.0	43934.9	12913.3	131.	3.167	4355.	1.38	2.01	45.	4400.
USSR	79 9 8	4441N	12427W	27895.1	43934.7	12848.7	66.	1.563	2175.	1.37	2.07	25.	2200.
POLAND	79 8 18	4416N	12458W	27807.6	43932.8	13052.9	175.	6.333	8668.	1.37	1.74	132.	8800.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 9 2	4403N	12502W	27776.8	43930.1	13176.3	104.	2.083	2650.	1.37	1.98	10.	2660.
USSR	77 829	4355N	12456W	27774.0	43929.3	13247.2	93.	0.667	911.	1.37	1.65	169.	1100.
USSR	79 925	4415N	12454W	27809.9	43932.2	13076.6	126.	3.250	4433.	1.36	2.00	1067.	5500.
USSR	79 924	4402N	12454W	27729.2	43930.9	13184.1	142.	2.167	2954.	1.36	1.89	347.	3300.
USSR	79 922	4353N	12440W	27799.8	43931.0	13260.0	93.	4.750	6462.	1.36	2.05	138.	6600.
POLAND	80 916	4406N	12457W	27790.4	43931.2	13151.2	200.	2.833	3854.	1.36	1.41	4946.	8800.
USSR	77 819	4403N	12430W	27834.7	43933.4	13174.4	74.	1.250	1683.	1.35	1.80	517.	2200.
POLAND	79 818	4353N	12447W	27766.8	43930.1	13259.5	93.	1.417	1894.	1.34	2.14	86.	1980.
POLAND	79 817	4354N	12450W	27783.1	43929.9	13250.8	107.	1.583	2114.	1.34	1.74	86.	2200.
USSR	7910 1	4446N	12435W	27987.5	43934.7	12811.9	98.	2.333	3105.	1.33	1.85	195.	3300.
USSR	77 820	4332N	12436W	27726.5	43926.6	13439.9	120.	0.833	1100.	1.32	1.53	0.	1100.
USSR	77 821	4343N	12438W	27736.5	43929.3	13345.7	197.	1.667	2200.	1.32	1.61	0.	2200.
USSR	79 915	4440N	12434W	27881.3	43934.9	12861.1	55.	2.750	3622.	1.32	2.07	1397.8	17600.
USSR	79 929	4445N	12439W	27879.3	43934.8	12822.8	131.	3.333	4381.	1.31	2.09	19.	4400.
USSR	79 924	4406N	12452W	27799.2	43931.8	13150.7	66.	3.583	4689.	1.31	1.83	371.	5060.
USSR	79 928	4332N	12434W	27755.5	43928.8	13389.7	55.	2.833	3706.	1.31	1.83	694.	4400.
POLAND	801016	4355N	12434W	27814.3	43932.0	13243.3	74.	1.583	2052.	1.30	2.16	1468.	3520.
USSR	79 9 6	4305N	12502W	27659.8	43910.4	13652.9	137.	1.667	2159.	1.30	1.41	41.	2200.
USSR	78 9 7	4409N	12457W	27795.2	43931.7	13126.5	66.	1.583	2041.	1.29	1.67	159.	2200.
USSR	78 9 6	4354N	12445W	27792.2	43930.6	13251.2	77.	3.333	4291.	1.29	1.52	2309.	6600.
USSR	79 925	4313N	12506W	27678.9	43913.2	13584.9	164.	1.667	2144.	1.29	1.83	56.	2200.
USSR	79 9 9	4311N	12456W	27692.9	43914.9	13607.6	224.	1.333	1710.	1.28	1.76	50.	1760.
POLAND	79 918	4421N	12440W	27829.5	43933.9	13025.4	101.	4.833	6188.	1.28	1.89	7013.	13200.
USSR	78 9 5	4353N	12446W	27768.7	43930.2	13259.5	109.	1.500	1908.	1.27	1.55	4692.	6600.
USSR	7910 1	4313N	12453W	27702.5	43916.6	13592.9	219.	3.417	4342.	1.27	1.19	58.	4400.
USSR	77 9 3	4339N	12439W	27777.6	43923.2	13379.7	183.	1.333	1682.	1.26	1.56	518.	2200.
USSR	77 822	4354N	12452W	27779.5	43929.6	13250.7	142.	1.750	2186.	1.25	1.71	14.	2200.
USSR	77 817	4302N	12449W	27587.6	43912.7	13687.3	109.	1.750	2176.	1.24	1.54	24.	2200.
USSR	77 9 9	4332N	12441W	27761.3	43926.0	13438.8	257.	3.333	4122.	1.24	1.50	278.	4400.
USSR	79 924	4401N	12430W	27816.5	43932.5	13191.9	46.	1.667	2057.	1.23	1.85	143.	2200.
USSR	7910 5	4407N	12436W	27829.7	43933.4	13140.6	11.	2.917	3581.	1.23	1.91	9619.	13200.
USSR	79 911	4356N	12432W	27823.0	43932.7	13217.6	55.	3.383	4127.	1.22	1.67	53.	4180.
POLAND	80 830	4419N	12449W	27824.7	43933.6	13042.3	79.	1.667	2000.	1.20	1.63	2800.	30800.
POLAND	79 828	4426N	12440W	27836.9	43934.3	12964.0	164.	1.833	2199.	1.20	1.72	1.	2200.
USSR	79 928	4349N	12433W	27806.3	43931.2	13295.1	131.	1.750	2070.	1.18	1.67	130.	2200.
USSR	79 820	4415N	12437W	27837.1	43933.9	13089.7	55.	3.250	3840.	1.18	2.18	1022.	4862.
USSR	79 922	4451N	12432W	27899.3	43934.4	12768.5	148.	1.750	2053.	1.17	2.07	147.	2200.
USSR	7910 2	4317N	12457W	27703.0	43917.3	13557.3	219.	4.250	4942.	1.16	1.58	1658.	6600.
USSR	7910 2	4315N	12500W	27693.6	43915.7	13572.1	219.	2.750	3186.	1.16	0.70	114.	3300.
USSR	7910 1	4311N	12456W	27692.9	43914.9	13607.6	213.	3.250	3763.	1.16	1.65	637.	4400.
POLAND	79 923	4449N	12430W	27900.2	43934.4	12783.6	112.	2.833	3271.	1.15	2.10	29.	3300.
USSR	77 819	4359N	12430W	27828.4	43933.0	13209.0	38.	1.000	1144.	1.14	1.52	1056.	2200.
USSR	77 828	4432N	12442W	27856.1	43934.8	12931.8	191.	1.917	2175.	1.13	1.83	25.	2200.
USSR	7910 2	4316N	12459W	27597.4	43916.4	13564.4	208.	3.833	4340.	1.13	1.54	60.	4400.
USSR	79 926	4305N	12447W	27703.7	43916.0	13638.6	120.	2.917	3282.	1.13	1.83	18.	3300.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 9 29	4303N	12447W	27693.5	43913.7	13680.5	96.	1.917	2156.	1.12	1.69	44.	2200.
USSR	79 9 8	4346N	12432W	27803.1	43930.8	13321.1	71.	3.750	4195.	1.12	1.39	205.	4400.
USSR	77 9 14	4414N	12450W	27804.8	43932.5	13085.2	109.	1.833	2037.	1.11	1.61	163.	2200.
USSR	78 9 18	4430N	12441W	27855.0	43934.7	12948.0	109.	1.917	2126.	1.11	1.52	74.	2200.
USSR	77 8 21	4327N	12442W	27750.2	43924.4	13480.9	82.	1.917	2121.	1.11	1.43	79.	2200.
USSR	77 8 29	4350N	12450W	27772.1	43929.2	13233.8	137.	1.000	1100.	1.10	1.71	0.	1100.
USSR	78 9 18	4310N	12445W	27727.3	43920.6	13555.7	109.	1.917	2099.	1.10	1.56	101.	2200.
USSR	7310 3	4419N	12446W	27826.5	43933.7	13042.0	109.	2.000	2183.	1.09	1.60	17.	2200.
USSR	79 9 8	4351N	12431W	27813.4	43931.4	13278.1	55.	2.000	2180.	1.09	1.65	20.	2200.
USSR	79 9 12	4503N	12423W	27929.8	43932.9	12662.1	156.	1.000	1085.	1.09	2.02	15.	1100.
USSR	79 8 23	4353N	12445W	27790.5	43930.4	13259.6	126.	4.667	4996.	1.07	1.67	284.	5280.
POLAND	80 9 19	4434N	12437W	27857.7	43934.9	12912.8	93.	2.417	2574.	1.07	1.80	1826.	4400.
USSR	77 8 18	4348N	12432W	27806.5	43931.1	13303.9	82.	1.833	1947.	1.06	1.80	33.	1920.
POLAND	801010	4406N	12450W	27788.6	43931.1	13151.3	98.	4.000	4247.	1.06	1.72	153.	4400.
USSR	79 9 1	4358N	12439W	27809.8	43932.0	13217.5	44.	2.250	2368.	1.05	1.85	52.	2420.
POLAND	80 8 26	4318N	12443W	27731.1	43921.1	13556.8	87.	4.167	4362.	1.05	1.47	38.	4400.
USSR	79 9 15	4428N	12437W	27859.3	43934.8	12963.1	55.	1.333	1382.	1.04	2.04	158.	1540.
POLAND	801018	4430N	12442W	27853.3	43934.7	12948.5	153.	3.000	3108.	1.04	2.07	193.	3300.
USSR	78 9 19	4310N	12440W	27705.8	43916.6	13621.1	109.	2.083	2156.	1.03	1.62	44.	2200.
POLAND	80 8 20	4417N	12452W	27816.4	43933.2	13059.6	79.	3.167	3276.	1.03	2.31	42924.	46200.
USSR	7810 8	4430N	12440W	27856.8	43934.7	12947.6	55.	2.083	2154.	1.03	1.81	46.	2200.
USSR	77 8 21	4403N	12450W	27795.3	43931.7	13134.6	87.	6.417	6602.	1.03	1.63	69.	6670.
USSR	79 9 27	4327N	12452W	27731.4	43922.3	13476.5	219.	1.833	1882.	1.03	1.43	318.	2200.
USSR	77 9 5	4343N	12435W	27736.5	43929.3	13345.7	210.	2.167	2168.	1.00	1.76	32.	2200.
USSR	79 9 11	4400N	12454W	27785.9	43930.5	13200.7	38.	2.167	2166.	1.00	1.96	34.	2200.
USSR	77 8 19	4358N	12427W	27832.5	43933.1	13217.7	66.	0.833	833.	1.00	1.60	267.	1100.
USSR	77 9 2	4342N	12436W	27788.5	43929.4	13354.8	137.	2.000	1997.	1.00	1.63	203.	2200.
POLAND	78 8 25	4355N	12420W	27825.7	43932.7	13243.7	63.	2.167	2155.	0.99	1.70	45.	2200.
USSR	77 8 19	4359N	12432W	27824.6	43932.8	13209.0	68.	4.250	4218.	0.99	1.58	182.	4400.
USSR	7810 4	4432N	12455W	27833.6	43934.3	12937.7	38.	2.167	2149.	0.99	1.58	51.	2200.
POLAND	79 8 28	4425N	12446W	27839.0	43934.3	12991.6	164.	5.500	5440.	0.99	1.77	60.	5500.
POLAND	80 8 17	4413N	12426W	27857.5	43934.5	13087.6	55.	1.000	986.	0.99	1.69	554.	1540.
USSR	79 9 27	4435N	12437W	27882.7	43934.8	12821.5	104.	2.667	2626.	0.98	2.00	14.	2640.
USSR	79 9 12	4505N	12425W	27928.7	43932.9	12647.5	148.	2.000	1963.	0.98	1.25	237.	2200.
POLAND	771012	4435N	12437W	27873.3	43934.9	12879.5	126.	3.750	3678.	0.98	1.94	722.	4400.
POLAND	781013	4512N	12419W	27947.2	43931.4	12584.3	104.	1.417	1382.	0.98	1.76	1038.	2420.
USSR	79 9 18	4533N	12425W	27900.2	43929.1	12423.9	98.	4.417	4283.	0.97	1.92	117.	4400.
USSR	79 9 24	4350N	12435W	27804.1	43931.1	13288.2	156.	4.583	4421.	0.96	1.92	199.	4620.
USSR	7310 5	4542N	12434W	27955.2	43929.0	12367.4	82.	1.583	1522.	0.96	1.63	678.	2200.
USSR	79 9 24	4343N	12435W	27792.2	43929.8	13346.4	120.	3.083	2960.	0.96	1.60	340.	3300.
USSR	79 8 24	4413N	12427W	27855.7	43934.4	13037.8	33.	2.167	2056.	0.95	2.07	144.	2200.
POLAND	79 8 27	4416N	12426W	27862.0	43934.6	13061.7	30.	4.667	4341.	0.93	1.90	59.	4400.
USSR	79 9 9	4332N	12438W	27767.0	43928.6	13439.9	137.	2.833	2629.	0.93	1.87	451.	3080.
POLAND	801019	4440N	12440W	27870.9	43934.9	12804.6	137.	6.500	5999.	0.92	2.09	16001.	22000.
USSR	79 9 9	4523N	12421W	27961.5	43929.3	12457.9	82.	2.083	1869.	0.90	1.96	331.	2200.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	78 816	4407N	12450W	27790.2	43931.3	13143.1	109.	2.417	2163.	0.89	1.74	37.	2200.
USSR	77 9 6	4401N	12456W	27784.0	43930.5	13192.5	182.	2.417	2158.	0.89	1.67	42.	2200.
USSR	7910 3	4357N	12454W	27780.9	43930.0	13225.6	55.	2.500	2217.	0.89	2.05	203.	2420.
POLAND	79 819	4355N	12436W	27810.5	43931.8	13243.2	85.	4.917	4329.	0.88	1.97	71.	4400.
USSR	7910 2	4351N	12451W	27776.2	43929.1	13275.9	175.	4.000	3490.	0.87	1.87	470.	3960.
USSR	77 822	4336N	12435W	27780.0	43928.2	13406.6	137.	1.000	871.	0.87	1.58	229.	1100.
USSR	79 912	4500N	12426W	27921.0	43933.4	12689.4	131.	2.250	1959.	0.87	1.58	21.	1980.
USSR	79 910	4449N	12434W	27893.2	43934.6	12786.4	98.	1.083	939.	0.87	2.19	161.	1100.
USSR	79 817	4354N	12450W	27783.1	43929.9	13250.8	123.	2.500	2165.	0.87	2.02	35.	2200.
USSR	79 821	4411N	12502W	27789.7	43931.5	13110.9	175.	1.083	937.	0.87	2.05	163.	1100.
POLAND	80 817	4352N	12450W	27779.7	43929.5	13267.6	197.	2.000	1721.	0.86	1.41	39.	1760.
USSR	77 917	4450N	12429W	27903.2	43934.3	12774.6	87.	1.250	1071.	0.86	1.95	9929.	11000.
USSR	78 9 9	4343N	12434W	27794.2	43929.9	13346.6	77.	2.500	2137.	0.85	1.52	63.	2200.
POLAND	8010 3	4404N	12433W	27830.6	43933.3	13166.0	74.	3.000	2543.	0.85	1.78	97.	2640.
USSR	7910 4	4403N	12432W	27827.6	43933.3	13132.4	33.	4.417	3739.	0.85	1.94	221.	3960.
POLAND	80 831	4411N	12457W	27798.4	43932.0	13110.1	120.	2.500	2104.	0.84	1.36	96.	2200.
USSR	79 822	4402N	12430W	27833.1	43933.3	13183.1	52.	2.667	2232.	0.84	2.22	2168.	4400.
POLAND	7910 3	4509N	12423W	27926.9	43932.2	12612.8	197.	3.833	3179.	0.83	2.05	121.	3300.
POLAND	79 816	4406N	12450W	27788.6	43931.1	13151.3	153.	1.667	1371.	0.82	1.85	169.	1540.
USSR	79 922	4450N	12433W	27896.2	43934.5	12777.5	153.	1.333	1093.	0.82	2.05	7.	1100.
USSR	79 829	4310N	12501W	27861.8	43913.1	13612.6	109.	1.000	818.	0.82	1.67	502.	1320.
USSR	78 816	4355N	12451W	27782.9	43930.0	13242.4	55.	2.417	1962.	0.81	1.74	238.	2200.
USSR	77 919	4445N	12434W	27988.0	43934.7	12819.5	137.	2.533	2095.	0.81	1.80	105.	2200.
USSR	77 9 8	4333N	12439W	27756.9	43926.7	13431.0	221.	1.333	1074.	0.81	1.56	26.	1100.
POLAND	8010 7	4421N	12447W	27831.3	43934.0	13025.1	60.	2.667	2133.	0.80	1.74	67.	2200.
USSR	79 821	4412N	12430W	27848.5	43934.2	13096.9	55.	4.500	3595.	0.80	2.24	5865.	9460.
USSR	7910 4	4355N	12434W	27814.3	43932.0	13243.3	66.	3.250	2592.	0.80	1.91	48.	2640.
USSR	78 921	4402N	12455W	27787.4	43930.8	13184.1	55.	3.333	2640.	0.79	1.57	0.	2640.
POLAND	80 910	4440N	12436W	27874.2	43934.9	12853.4	120.	2.667	2108.	0.79	1.91	92.	2200.
POLAND	79 821	4404N	12427W	27841.9	43933.8	13165.6	58.	2.417	1905.	0.79	1.87	1395.	3300.
POLAND	79 919	4354N	12445W	27795.9	43930.8	13251.3	93.	2.717	2141.	0.79	1.96	59.	2200.
USSR	79 925	4353N	12432W	27814.8	43932.0	13260.7	44.	2.333	1836.	0.79	1.89	364.	2200.
USSR	7910 2	4444N	12437W	27861.4	43934.2	12829.7	77.	1.333	1049.	0.79	2.23	51.	1100.
USSR	79 823	4353N	12446W	27789.7	43930.2	13259.5	137.	2.583	2032.	0.79	1.75	168.	2200.
POLAND	79 929	4436N	12436W	27872.3	43934.9	12895.6	142.	2.833	2192.	0.77	2.12	8.	2200.
USSR	79 9 1	4357N	12443W	27791.7	43930.7	13225.8	66.	2.833	2179.	0.77	1.89	21.	2200.
USSR	79 821	4410N	12431W	27843.6	43934.0	13114.3	33.	2.333	1759.	0.75	2.29	1.	1760.
USSR	79 911	4350N	12431W	27811.8	43931.6	13286.7	66.	2.833	2120.	0.75	1.23	80.	2200.
USSR	79 926	4337N	12434W	27783.7	43928.6	13398.3	68.	2.833	2100.	0.74	1.96	100.	2200.
USSR	78 930	4353N	12448W	27785.0	43930.0	13259.4	109.	2.083	1533.	0.74	1.56	117.	1650.
USSR	79 919	4423N	12450W	27829.0	43933.9	13009.5	180.	1.333	981.	0.74	2.26	119.	1100.
USSR	79 822	4359N	12432W	27824.6	43932.8	13209.0	68.	6.083	4384.	0.72	2.05	16.	4400.
USSR	79 925	4520N	12500W	27793.4	43917.8	13530.9	219.	2.833	2034.	0.72	1.54	1266.	3300.
USSR	79 921	4302N	12503W	27861.8	43908.6	13676.6	235.	2.917	2086.	0.72	1.52	114.	2200.
USSR	79 9 8	4349N	12431W	27810.1	43931.4	13295.4	60.	3.333	2370.	0.71	1.83	270.	2640.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

COLUMBIA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE			APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)		
	YYMMDD	LAT	LONG	9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED							
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****		
POLAND	7810	J	4508N	12420W	27940.9	43932.0	12618.1	115.	0.917	645.	0.70	0.47	15.	660.	
USSR	79	822	4412N	12430W	27848.5	43934.2	13096.9	66.	5.917	4164.	0.70	2.29	236.	4400.	
POLAND	78	9	7	4345N	12432W	27801.4	43930.6	13329.8	115.	3.117	2189.	0.70	1.52	11.	2200.
USSR	79	10	6	4405N	12500W	27793.5	43930.7	13159.7	230.	2.833	1986.	0.70	2.05	214.	2200.
POLAND	80	10	22	4400N	12457W	27780.6	43930.2	13200.8	191.	6.500	4533.	0.70	1.91	87.	4620.
POLAND	80	10	16	4430N	12441W	27955.0	43934.7	12948.0	191.	3.417	2382.	0.70	1.74	38.	2420.
USSR	77	9	4	4335N	12438W	27772.4	43927.4	13414.2	186.	1.583	1100.	0.69	1.56	0.	1100.
USSR	79	9	26	4323N	12445W	27736.9	43922.4	13513.4	273.	2.750	1900.	0.69	1.78	300.	2200.
POLAND	78	9	16	4357N	12432W	27821.4	43932.5	13226.2	90.	4.667	3168.	0.68	1.55	132.	3300.
USSR	79	9	15	4357N	12449W	27799.9	43930.6	13225.8	71.	2.833	1698.	0.67	1.98	82.	1980.
USSR	77	8	21	4353N	12436W	27807.2	43931.5	13260.4	62.	1.500	1001.	0.67	1.52	99.	1100.
POLAND	77	10	11	4403N	12439W	27872.5	43934.9	12864.0	112.	13.750	9111.	0.66	1.83	481.	9592.
USSR	79	9	1	4333N	12444W	27757.4	43925.8	13429.2	71.	1.000	659.	0.66	1.93	1.	660.
USSR	79	9	27	4439N	12437W	27374.6	43934.9	12871.2	77.	1.000	655.	0.65	2.09	6.	660.
USSR	77	9	7	4310N	12453W	27696.5	43915.3	13617.8	180.	3.083	1951.	0.63	1.58	249.	2200.
POLAND	80	10	17	4456N	12427W	27314.3	43933.8	12723.3	115.	1.333	835.	0.63	2.18	45.	880.
USSR	79	9	27	4437N	12435W	27875.4	43934.9	12886.7	142.	2.083	1297.	0.62	1.85	23.	1320.
POLAND	79	8	24	4413N	12427W	27355.7	43934.4	13087.8	49.	5.083	3155.	0.62	2.14	1245.	4400.
POLAND	80	9	13	4720N	12443W	28029.5	43909.6	11765.3	49.	2.000	1225.	0.61	2.08	95.	1320.
USSR	78	8	29	4354N	12434W	27312.7	43931.9	13251.9	71.	1.750	1068.	0.61	1.72	32.	1100.
USSR	79	8	24	4420N	12423W	27372.7	43934.9	12976.5	33.	3.583	2177.	0.61	2.05	23.	2200.
USSR	77	8	19	4351N	12435W	27805.8	43931.3	13277.6	60.	1.833	1100.	0.60	1.48	0.	1100.
POLAND	80	8	25	4349N	12441W	27791.2	43930.1	13294.0	186.	1.000	600.	0.60	1.79	60.	660.
USSR	77	9	8	4339N	12440W	27775.7	43928.1	13379.4	219.	1.833	1098.	0.60	1.69	2.	1100.
USSR	79	8	22	4350N	12428W	27830.6	43933.0	13217.6	68.	3.583	2109.	0.59	2.35	91.	2200.
USSR	79	9	25	4351N	12432W	27811.5	43931.6	13278.0	55.	2.583	1500.	0.58	1.61	700.	2200.
USSR	79	9	27	4427N	12447W	27840.2	43934.4	12975.4	148.	1.917	1096.	0.57	1.95	4.	1100.
POLAND	80	10	7	4418N	12448W	27925.0	43933.6	13050.3	77.	3.500	1970.	0.56	1.74	230.	2200.
USSR	79	9	24	4414N	12452W	27311.8	43932.9	13084.4	46.	1.500	833.	0.56	1.80	267.	1100.
USSR	78	9	15	4340N	12437W	27793.6	43930.1	13320.2	55.	2.000	1100.	0.55	1.48	0.	1100.
USSR	77	8	20	4338N	12433W	27787.4	43929.0	13390.0	126.	2.000	1100.	0.55	1.61	0.	1100.
USSR	78	8	16	4409N	12457W	27795.2	43931.7	13126.5	93.	2.167	1187.	0.55	1.67	1013.	2200.
USSR	79	9	26	4325N	12435W	27763.9	43925.5	13502.2	273.	3.417	1871.	0.55	1.74	329.	2200.
POLAND	79	8	16	4419N	12450W	27312.5	43933.1	13044.2	87.	4.000	2176.	0.54	1.89	22.	2200.
USSR	79	9	25	4356N	12433W	27817.9	43932.3	13234.8	77.	2.000	1078.	0.54	2.16	30822.	31900.
USSR	79	9	7	4454N	12431W	27904.9	43934.2	12743.0	137.	0.917	478.	0.52	1.49	160.	638.
POLAND	79	9	23	4447N	12438W	27883.6	43934.8	12805.7	164.	1.583	813.	0.51	1.90	45.	858.
USSR	79	8	21	4405N	12500W	27783.5	43930.7	13159.7	109.	1.833	935.	0.51	2.09	165.	1100.
POLAND	79	8	18	4409N	12456W	27793.4	43931.6	13126.7	175.	2.833	1421.	0.50	1.81	119.	1540.
USSR	79	9	25	4301N	12502W	27661.5	43908.3	13685.6	191.	2.000	1002.	0.50	1.43	98.	1100.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-2.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LUNG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
POLAND	78 623	4135N	12429W	27513.7	43851.2	14415.1	66.	0.023	19707.	236.49	1.32	93.	19800.
USSR	79 720	4115N	12432W	27444.2	43821.7	14569.4	115.	0.250	53237.	212.95	0.64	3.	53240.
USSR	79 318	4055N	12450W	27351.7	43779.7	14674.0	82.	0.500	101204.	202.41	1.67	40.	101244.
USSR	79 616	4100N	12450W	27367.2	43786.2	14639.0	77.	0.167	29686.	178.12	1.71	14.	29700.
USSR	79 621	4151N	12500W	27492.3	43853.0	14244.3	77.	0.333	43991.	131.97	1.65	9.	44000.
USSR	78 7 5	4129N	12436W	27475.7	43837.7	14451.6	55.	0.167	21934.	131.60	1.30	66.	22000.
USSR	77 810	4232N	12450W	27619.5	43894.4	13934.0	97.	0.333	39558.	118.67	1.56	42.	39600.
POLAND	78 617	4127N	12428W	27439.8	43840.5	14486.8	66.	0.333	32947.	98.84	1.28	53.	33000.
USSR	79 725	4259N	12451W	27677.5	43910.0	13710.7	104.	0.500	44000.	88.00	1.78	0.	44000.
POLAND	78 623	4121N	12423W	27470.5	43832.4	14532.7	71.	0.167	14606.	87.64	1.41	134.	14740.
USSR	77 731	4231N	12450W	27617.2	43893.7	13942.1	77.	0.250	21654.	86.61	1.58	346.	22000.
USSR	79 723	4202N	12442W	27560.3	43872.8	14167.1	87.	0.667	56063.	84.09	1.12	37.	56100.
USSR	77 814	4137N	12439W	27497.2	43847.2	14368.5	191.	0.667	54766.	82.15	1.42	234.	55000.
POLAND	78 621	4121N	12426W	27470.5	43832.4	14532.7	60.	0.417	32994.	79.19	1.33	6.	33000.
USSR	77 724	4203N	12444W	27559.1	43872.0	14176.0	355.	0.417	32966.	79.12	1.45	34.	33000.
POLAND	78 727	4202N	12509W	27511.8	43860.5	14146.1	98.	0.083	6589.	79.07	1.17	11.	6600.
POLAND	78 621	4127N	12426W	27432.8	43840.5	14486.8	55.	0.583	43873.	75.22	1.35	122.	44000.
USSR	78 628	4054N	12440W	27363.8	43783.7	14703.2	44.	0.617	43995.	71.34	1.35	5.	44000.
POLAND	77 613	4036N	12442W	27302.5	43749.3	14822.5	77.	0.333	22000.	66.00	1.43	0.	22000.
USSR	79 724	4259N	12454W	27571.9	43909.7	13708.3	93.	0.500	32982.	65.96	1.83	18.	33000.
POLAND	78 624	4133N	12429W	27504.8	43847.5	14438.5	77.	0.667	43925.	65.89	1.30	73.	44000.
POLAND	78 622	4125N	12427W	27484.7	43838.4	14504.2	52.	0.333	21271.	63.61	1.34	69.	21340.
USSR	77 814	4137N	12439W	27497.2	43847.2	14368.5	191.	1.083	68200.	62.95	1.46	0.	68200.
POLAND	79 724	4257N	12453W	27669.6	43908.9	13725.6	82.	0.750	43985.	58.65	1.75	15.	44000.
POLAND	78 617	4128N	12427W	27493.9	43842.3	14481.2	66.	0.750	43956.	58.61	1.23	44.	44000.
USSR	79 615	4103N	12432W	27406.1	43803.4	14657.7	87.	0.417	24200.	58.08	1.61	0.	24200.
POLAND	78 630	4125N	12426W	27482.8	43837.8	14502.2	115.	1.000	57186.	57.19	1.36	14.	57200.
USSR	79 722	4230N	12452W	27511.0	43892.2	13947.9	93.	0.500	28550.	57.10	1.53	50.	28600.
USSR	77 612	4132N	12433W	27494.0	43844.2	14438.4	164.	0.583	33000.	55.57	1.30	0.	33000.
USSR	77 729	4224N	12450W	27500.5	43888.4	13999.0	492.	0.583	32850.	56.31	1.50	150.	33000.
POLAND	77 627	4117N	12433W	27448.6	43824.0	14552.4	66.	0.583	32562.	55.82	1.41	3.	32564.
POLAND	78 7 3	4121N	12427W	27472.4	43833.0	14534.8	68.	0.750	41782.	55.71	1.34	18.	41800.
USSR	78 624	4044N	12451W	27315.9	43759.5	14747.1	44.	1.000	55000.	55.00	1.23	0.	55000.
POLAND	78 624	4124N	12426W	27479.7	43836.5	14509.8	66.	0.417	22560.	54.14	1.29	100.	22660.
USSR	79 616	4111N	12436W	27424.5	43813.5	14590.5	66.	0.500	26620.	53.24	1.63	0.	26620.
POLAND	79 712	4229N	12451W	27510.6	43891.8	13957.2	93.	0.833	43965.	52.76	0.86	35.	44000.
USSR	79 725	4233N	12452W	27618.1	43894.4	13923.5	87.	0.750	39557.	52.74	1.83	43.	39600.
USSR	79 725	4233N	12451W	27519.9	43894.7	13924.7	87.	0.500	26363.	52.73	1.85	37.	26400.
POLAND	78 616	4127N	12427W	27490.8	43841.0	14488.9	77.	0.417	21957.	52.70	1.38	43.	22000.
POLAND	77 612	4040N	12441W	27315.9	43757.6	14736.0	112.	0.417	21952.	52.69	1.83	48.	22000.
USSR	77 612	4127N	12430W	27469.7	43835.1	14466.8	164.	0.917	46272.	50.48	1.39	238.	46510.
USSR	77 6 4	4225N	12452W	27506.3	43890.7	13964.1	96.	0.917	43980.	47.98	1.47	20.	44000.
USSR	78 625	4120N	12440W	27445.1	43824.5	14515.4	8.	0.917	43964.	47.96	1.31	36.	44000.
USSR	77 811	4235N	12450W	27621.8	43895.1	13925.8	37.	0.917	43907.	47.90	1.54	94.	44000.
USSR	79 727	4230N	12451W	27612.9	43892.6	13949.1	82.	0.333	15733.	47.20	1.91	107.	15840.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3. --Foreign Pacific whiting catch rates and positions in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15, 1977-80.

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAILED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
POLAND	78 614	4124N	12423W	27479.7	43836.5	14509.8	82.	1.167	35023.	30.02	1.39	177.	35200.
USSR	79 721	4233N	12451W	27619.9	43894.7	13924.7	109.	1.833	54963.	29.98	1.58	37.	55000.
USSR	78 623	4121N	12437W	27453.5	43827.5	14514.1	109.	1.250	37400.	29.92	1.41	0.	37400.
USSR	78 7 6	4129N	12432W	27475.7	43837.7	14451.6		1.333	39600.	29.70	1.26	0.	39600.
USSR	78 617	4117N	12434W	27446.8	43823.5	14550.3	66.	1.333	39600.	29.70	1.41	0.	39600.
USSR	77 811	4124N	12436W	27464.5	43832.1	14493.5	246.	0.750	22258.	29.68	1.28	94.	22352.
USSR	79 625	4257N	12509W	27640.6	43903.9	13712.5	109.	2.583	76560.	29.64	1.80	0.	76560.
USSR	78 616	4245N	12506W	27616.3	43895.8	13809.8	82.	0.750	22000.	29.33	1.41	0.	22000.
USSR	79 722	4232N	12454W	27612.0	43892.9	13929.4	109.	0.750	21990.	29.32	1.55	10.	22000.
USSR	77 727	4233N	12440W	27625.6	43095.9	13928.1	82.	0.750	21939.	29.25	1.63	51.	22000.
USSR	77 730	4233N	12450W	27621.8	43895.1	13925.8	77.	1.500	43602.	29.07	1.69	398.	44000.
USSR	79 614	4205N	12443W	27566.3	43875.2	14161.6	126.	0.833	24192.	29.03	1.58	8.	24200.
USSR	79 618	4057N	12447W	27359.4	43763.7	14662.3	71.	1.750	50592.	28.91	1.58	8.	50600.
POLAND	79 627	4120N	12433W	27457.9	43825.3	14529.8	36.	0.917	26400.	28.80	1.39	0.	26400.
USSR	79 710	4225N	12450W	27602.9	43889.2	13990.9	115.	1.917	55072.	28.73	1.67	148.	55220.
POLAND	78 620	4125N	12428W	27482.8	43837.8	14502.2	66.	0.917	26321.	28.71	1.36	79.	26400.
USSR	79 624	4252N	12505W	27649.8	43905.8	13707.6	71.	1.000	28568.	28.57	1.63	32.	28600.
USSR	79 7 1	4125N	12436W	27467.5	43833.5	14486.0	71.	1.667	47529.	28.52	1.41	871.	48400.
USSR	77 711	4142N	12443W	27520.7	43857.9	14296.0	33.	1.167	32992.	28.28	1.41	5.	33000.
USSR	79 619	4101N	12437W	27391.1	43797.2	14660.9	96.	1.167	32979.	28.27	1.62	21.	33000.
USSR	79 724	4259N	12454W	27671.9	43909.7	13708.3	93.	1.167	32968.	28.26	1.93	32.	33000.
USSR	78 720	4114N	12430W	27444.8	43821.4	14581.2	82.	1.167	32920.	28.22	1.39	60.	33000.
USSR	77 726	4232N	12454W	27612.0	43892.9	13929.4	416.	1.167	32901.	28.20	1.60	99.	33000.
POLAND	78 621	4122N	12428W	27473.6	43833.8	14525.1	66.	1.083	30527.	28.18	1.38	53.	30580.
USSR	77 8 7	4221N	12450W	27607.7	43890.7	13974.7	87.	1.167	32869.	28.17	1.63	131.	33000.
USSR	78 7 3	4124N	12439W	27458.9	43830.5	14487.5	66.	1.833	51634.	23.16	1.30	66.	51700.
USSR	78 7 4	4136N	12436W	27496.2	43846.5	14398.1	82.	1.250	35200.	28.16	1.36	0.	35200.
USSR	77 725	4223N	12449W	27600.0	43888.1	14008.3	492.	1.167	32812.	28.12	1.46	188.	33000.
POLAND	78 616	4135N	12428W	27506.9	43848.1	14440.4	71.	1.250	35127.	28.10	1.34	73.	35200.
POLAND	78 624	4136N	12428W	27515.7	43851.7	14417.0	74.	0.500	14045.	28.09	1.30	35.	14080.
POLAND	78 722	4137N	12439W	27477.2	43847.2	14398.5	77.	1.333	37391.	28.04	1.20	9.	37400.
POLAND	78 619	4124N	12426W	27479.7	43836.5	14509.8	60.	0.417	11659.	27.98	1.31	1.	11650.
USSR	79 617	4054N	12443W	27359.1	43782.0	14696.9	82.	1.250	34711.	27.77	1.50	50.	34760.
USSR	79 620	4124N	12444W	27450.0	43827.8	14477.5	93.	1.533	43901.	27.73	1.61	99.	44000.
USSR	78 7 4	4122N	12435W	27458.4	43829.4	14508.6		1.500	41515.	27.68	1.14	265.	41800.
POLAND	78 722	4131N	12435W	27457.2	43841.9	14442.2	421.	2.383	65852.	27.63	1.37	148.	66000.
POLAND	78 7 3	4119N	12427W	27456.2	43830.2	14550.0	68.	1.083	29904.	27.60	1.22	16.	29920.
POLAND	73 621	4130N	12428W	27497.9	43844.3	14463.7	60.	1.750	48196.	27.54	1.34	204.	48400.
POLAND	78 622	4125N	12427W	27464.7	43838.4	14504.2	52.	1.083	29833.	27.54	1.40	87.	29920.
USSR	78 7 1	4115N	12432W	27444.2	43821.7	14569.4	93.	2.000	54978.	27.49	1.34	22.	55000.
USSR	79 7 8	4037N	12443W	27304.3	43750.7	14813.3	19.	2.000	54960.	27.48	1.34	40.	55000.
POLAND	79 611	4105N	12436W	27405.6	43804.3	14634.3	27.	0.833	22808.	27.37	1.56	72.	22860.
USSR	78 616	4237N	12509W	27596.6	43890.9	13872.6	82.	2.417	66000.	27.31	1.52	0.	66000.
USSR	79 719	4119N	12437W	27447.4	43824.7	14529.0	82.	1.583	43102.	27.22	0.68	898.	44000.
USSR	79 621	4145N	12500W	27452.1	43846.2	14289.9	87.	1.667	45254.	27.15	1.63	66.	45320.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPRJX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 021	4132N	12443W	27475.3	43836.9	14419.2	82.	0.917	33215.	36.23	1.83	6.	33220.
USSR	79 028	4157N	12445W	27541.4	43866.5	14222.0	93.	0.917	32959.	35.95	1.58	41.	33000.
USSR	79 023	4259N	12506W	27650.1	43906.0	13698.7	98.	0.917	32936.	35.93	1.76	64.	33000.
POLAND	79 726	4257N	12452W	27671.4	43909.2	13726.4	93.	0.500	17816.	35.63	1.61	4.	17820.
USSR	78 7 2	4121N	12437W	27453.5	43827.5	14514.1	82.	1.250	44000.	35.20	1.32	0.	44000.
USSR	79 620	4123N	12446W	27443.5	43825.4	14480.9	55.	0.500	17600.	35.20	1.69	0.	17600.
USSR	79 023	4250N	12502W	27655.2	43906.7	13710.0	109.	1.250	43737.	34.99	1.63	43.	43780.
USSR	78 620	4127N	12436W	27473.5	43836.2	14470.8	71.	1.250	43626.	34.90	1.34	374.	44000.
USSR	79 726	4117N	12435W	27444.9	43822.9	14548.1	142.	1.167	40691.	34.88	1.52	9.	40700.
USSR	79 0 9	4154N	12447W	27529.6	43862.4	14242.3	71.	1.583	54998.	34.74	1.54	2.	55000.
POLAND	77 620	4250N	12501W	27639.8	43902.4	13776.0	55.	0.417	14300.	34.32	1.52	0.	14300.
USSR	77 724	4036N	12447W	27295.8	43740.4	14810.2	77.	0.750	25344.	33.79	1.17	1056.	26400.
USSR	78 7 7	4129N	12437W	27477.5	43838.2	14453.6		1.500	50544.	33.70	1.20	56.	50600.
USSR	78 016	4238N	12506W	27535.9	43893.1	13868.9	131.	0.917	30800.	33.60	1.55	0.	30800.
POLAND	77 7 7	4206N	12442W	27570.8	43876.5	14155.1	27.	1.167	39163.	33.57	1.46	437.	39600.
POLAND	78 015	4120N	12427W	27493.9	43842.3	14481.2	164.	1.000	33440.	33.44	1.69	0.	33440.
USSR	78 7 5	4124N	12437W	27462.6	43831.6	14491.5		0.917	30527.	33.30	1.20	273.	30800.
USSR	79 720	4259N	12500W	27660.9	43907.9	13703.5	87.	0.667	22000.	33.00	1.72	0.	22000.
USSR	78 7 9	4128N	12437W	27474.6	43836.9	14461.2		1.000	33000.	33.00	1.31	0.	33000.
USSR	77 010	4230N	12450W	27614.8	43893.0	13950.3	37.	1.000	33000.	33.00	1.53	0.	33000.
POLAND	77 010	4240N	12514W	27608.1	43895.4	13796.1	55.	0.500	16500.	33.00	1.52	0.	16500.
POLAND	73 619	4120N	12420W	27491.9	43841.8	14479.1	71.	1.333	43992.	32.99	1.32	8.	44000.
USSR	79 727	4232N	12451W	27617.6	43894.0	13932.8	66.	1.667	54986.	32.99	1.80	14.	55000.
USSR	79 629	4157N	12450W	27532.1	43864.1	14214.0	137.	1.333	43985.	32.99	1.65	15.	44000.
USSR	79 615	4103N	12431W	27407.9	43803.9	14660.0	68.	1.000	32927.	32.99	1.58	13.	33000.
USSR	79 624	4259N	12500W	27646.6	43905.4	13697.2	115.	1.000	32977.	32.98	1.61	23.	33000.
USSR	77 8 0	4232N	12446W	27623.3	43895.1	13936.3	137.	0.333	10992.	32.98	1.52	8.	11000.
USSR	79 7 6	4155N	12455W	27517.7	43859.7	14221.6	131.	0.667	21981.	32.97	1.72	19.	22000.
USSR	79 619	4103N	12447W	27331.1	43794.8	14624.4	109.	0.667	21980.	32.97	1.63	20.	22000.
POLAND	73 720	4150N	12503W	27490.5	43850.5	14247.0	55.	0.667	21946.	32.92	1.38	54.	22000.
USSR	79 8 3	4243N	12500W	27615.4	43896.2	13827.8	71.	0.500	16443.	32.89	1.28	57.	16500.
USSR	79 620	4127N	12448W	27451.9	43829.8	14447.2	104.	1.167	37400.	32.06	1.65	0.	37400.
POLAND	77 729	4224N	12447W	27606.2	43889.6	14002.8	33.	1.083	34621.	31.96	1.56	139.	34750.
USSR	79 725	4259N	12451W	27677.5	43910.6	13710.7	82.	1.000	31876.	31.88	1.72	24.	31900.
POLAND	78 7 2	4124N	12420W	27479.7	43836.5	14509.8	101.	0.417	13189.	31.65	1.32	11.	13200.
USSR	78 720	4121N	12437W	27453.5	43827.5	14514.1	82.	0.633	26378.	31.65	1.32	22.	26400.
USSR	78 7 4	4120N	12436W	27452.3	43826.6	14523.6	77.	0.833	26329.	31.59	1.23	71.	26400.
USSR	78 621	4112N	12430W	27432.5	43818.4	14596.1	98.	1.750	55000.	31.43	1.41	0.	55000.
USSR	77 812	4232N	12446W	27623.3	43895.1	13936.3	82.	1.417	43965.	31.03	1.55	35.	44000.
USSR	79 624	4259N	12506W	27650.1	43906.0	13698.7	104.	1.417	43941.	31.02	1.78	39.	44000.
USSR	77 728	4238N	12450W	27618.5	43895.6	13876.3	546.	0.500	15390.	30.78	1.56	10.	15400.
USSR	79 613	4142N	12441W	27507.7	43852.1	14346.2	71.	1.000	30748.	30.75	1.65	32.	30800.
USSR	77 725	4230N	12452W	27611.0	43892.2	13947.9	109.	1.083	32811.	30.29	1.67	189.	33000.
POLAND	78 620	4127N	12425W	27488.8	43840.5	14486.8	66.	1.083	32799.	30.28	1.34	201.	33000.
USSR	77 623	4250N	12501W	27657.0	43907.0	13710.8	67.	1.167	35107.	30.09	1.58	94.	35200.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	79 019	4121N	12439W	27449.9	43820.4	14510.0	71.	1.167	54921.	47.07	1.65	79.	55000.
POLAND	78 623	4132N	12429W	27503.9	43846.8	14448.2	71.	1.167	54758.	46.94	1.30	242.	55000.
POLAND	78 630	4123N	12426W	27476.6	43835.2	14517.5	55.	1.000	45737.	45.74	1.43	23.	45760.
USSR	77 730	4220N	12450W	27610.1	43891.5	13966.5	74.	0.583	26387.	45.24	1.61	13.	26400.
USSR	78 7 3	4122N	12436W	27454.7	43823.3	14504.5	93.	0.750	32986.	43.98	1.32	12.	33000.
USSR	79 613	4200N	12446W	27547.4	43869.0	14196.7	68.	0.750	32985.	43.98	1.56	15.	33000.
USSR	78 627	4117N	12440W	27436.0	43820.2	14537.7	52.	1.000	43969.	43.97	1.38	31.	44000.
USSR	79 720	4232N	12451W	27617.6	43894.0	13932.8	87.	0.750	32976.	43.97	1.89	24.	33000.
USSR	79 617	4100N	12437W	27387.9	43795.6	14668.1	82.	0.500	21982.	43.96	1.63	18.	22000.
USSR	79 727	4230N	12451W	27612.9	43892.6	13949.1	82.	0.750	32945.	43.93	1.96	55.	33000.
USSR	77 729	4227N	12450W	27607.7	43890.7	13974.7	492.	1.000	43766.	43.77	1.56	234.	44000.
USSR	77 0 5	4230N	12451W	27612.9	43892.6	13949.1	92.	0.500	21841.	43.68	1.39	159.	22000.
POLAND	78 622	4126N	12427W	27493.9	43842.3	14481.2	60.	0.500	21804.	43.61	1.34	196.	22000.
USSR	77 727	4226N	12451W	27603.4	43889.6	13981.5	164.	0.500	21790.	43.58	1.57	210.	22000.
USSR	78 614	4240N	12507W	27606.9	43893.8	13850.8	109.	1.250	52800.	42.24	1.56	0.	52800.
POLAND	78 630	4123N	12427W	27478.6	43835.7	14519.5	55.	0.917	38672.	42.19	1.38	268.	38940.
POLAND	79 710	4227N	12449W	27609.6	43891.1	13975.9	55.	1.750	72556.	41.46	1.69	44.	72600.
POLAND	78 620	4119N	12426W	27464.3	43829.7	14547.9	60.	0.833	34481.	41.38	1.31	59.	34540.
USSR	78 622	4115N	12430W	27448.0	43822.8	14573.7	112.	1.333	55000.	41.25	1.45	0.	55000.
USSR	79 619	4124N	12448W	27443.1	43825.7	14469.5	82.	1.333	54962.	41.22	1.58	39.	55000.
USSR	78 625	4120N	12437W	27450.5	43828.1	14521.6	93.	0.750	30783.	41.04	1.39	17.	30800.
USSR	79 617	4100N	12437W	27387.9	43795.6	14668.1	66.	0.167	6220.	40.92	1.63	0.	6820.
USSR	79 629	4146N	12450W	27502.3	43852.2	14299.4	63.	0.667	27280.	40.92	1.89	0.	27280.
USSR	78 7 1	4113N	12436W	27449.3	43825.2	14531.1	71.	1.000	40682.	40.68	1.34	18.	40700.
USSR	79 620	4135N	12446W	27478.6	43841.2	14390.7	82.	1.083	44038.	40.65	1.67	6.	44044.
USSR	78 7 8	4127N	12437W	27471.6	43835.6	14468.8		1.083	43999.	40.61	1.21	1.	44000.
USSR	79 625	4259N	12503W	27646.6	43905.4	13697.2	131.	1.000	39571.	39.57	1.65	29.	39600.
USSR	77 724	4206N	12444W	27572.1	43877.5	14136.1	355.	0.833	32963.	39.56	1.43	37.	33000.
POLAND	78 625	4119N	12429W	27462.4	43829.1	14545.8	104.	0.667	26342.	39.51	1.27	58.	26400.
USSR	79 7 9	4210N	12444W	27577.2	43879.3	14120.0	137.	0.167	6569.	39.41	1.65	31.	6600.
USSR	79 722	4206N	12443W	27568.9	43876.1	14153.6	87.	1.250	48307.	38.65	1.28	94.	48400.
USSR	79 723	4259N	12452W	27657.5	43910.3	13709.9	109.	1.167	45084.	38.64	1.72	16.	45100.
USSR	77 729	4230N	12450W	27514.8	43893.0	13950.3	98.	1.083	41772.	38.56	1.56	26.	41800.
USSR	78 7 3	4123N	12436W	27463.4	43830.8	14501.1	66.	1.250	48193.	38.55	1.25	207.	48400.
POLAND	78 618	4125N	12428W	27482.8	43837.8	14502.2	74.	0.917	35103.	38.29	1.35	97.	35200.
USSR	79 620	4132N	12450W	27462.9	43835.3	14405.9	93.	1.167	44000.	37.71	1.72	0.	44000.
POLAND	78 616	4127N	12427W	27490.8	43841.0	14488.9	66.	0.583	21990.	37.70	1.36	10.	22000.
USSR	79 614	4046N	12439W	27339.4	43770.0	14761.8	71.	1.167	43976.	37.70	1.52	22.	44000.
USSR	79 722	4224N	12452W	27556.7	43887.6	13996.4	77.	0.583	21964.	37.65	1.62	36.	22000.
USSR	77 8 3	4230N	12450W	27614.8	43893.0	13950.3	137.	1.167	43842.	37.58	1.43	158.	44000.
POLAND	78 622	4129N	12426W	27494.9	43843.0	14471.4	66.	1.167	43805.	37.55	1.32	195.	44000.
USSR	77 8 1	4229N	12450W	27612.4	43892.2	13958.4	82.	0.583	21874.	37.50	1.50	127.	22000.
USSR	78 723	4037N	12442W	27305.7	43751.2	14815.8	82.	1.200	43973.	36.64	1.25	28.	44000.
POLAND	79 711	4225N	12449W	27604.8	43889.6	13992.1	98.	2.417	87934.	36.39	1.17	66.	88000.
USSR	79 630	4203N	12456W	27536.9	43867.4	14157.8	77.	1.333	48394.	36.30	1.65	6.	48400.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	79 610	4159N	12502W	27516.0	43860.6	14179.7	55.	0.833	22220.	26.66	1.69	0.	22220.
USSR	79 627	4210N	12444W	27577.2	43879.3	14120.0	137.	0.833	22090.	26.51	1.63	20.	22110.
USSR	77 8 4	4231N	12453W	27611.5	43892.6	13938.6	126.	1.000	26400.	26.40	1.39	0.	26400.
USSR	78 627	4040N	12440W	27318.3	43758.2	14800.4	98.	1.000	26400.	26.40	1.28	0.	26400.
USSR	79 619	4125N	12454W	27435.9	43823.9	14450.4	55.	1.250	33000.	26.40	1.65	0.	33000.
USSR	79 624	4259N	12503W	27655.5	43906.9	13701.1	60.	1.167	30797.	26.40	1.72	3.	30800.
USSR	77 723	4127N	12436W	27473.5	43836.2	14470.8	87.	1.000	26397.	26.40	1.54	3.	26400.
USSR	79 719	4259N	12454W	27671.9	43909.7	13709.3	87.	1.250	32993.	26.39	1.79	7.	33000.
USSR	79 616	4106N	12432W	27415.8	43308.1	14635.9	49.	1.667	43985.	26.39	1.50	15.	44000.
POLAND	79 724	4053N	12432W	27373.5	43786.6	14729.5	109.	0.417	10996.	26.39	1.30	4.	11000.
USSR	79 621	4133N	12445W	27474.6	43839.2	14407.8	82.	1.250	32982.	26.39	1.61	18.	33000.
POLAND	78 624	4133N	12428W	27506.8	43848.1	14440.4	71.	0.833	21987.	26.38	1.31	13.	22000.
USSR	78 7 8	4128N	12437W	27474.6	43833.9	14461.2		1.250	32970.	26.38	1.21	30.	33000.
USSR	79 620	4132N	12440W	27466.4	43836.3	14409.7	93.	1.667	43955.	26.37	1.69	45.	44000.
USSR	79 7 7	4205N	12504W	27533.2	43867.1	14134.7	55.	0.833	21972.	26.37	0.00	28.	22000.
USSR	79 725	4259N	12453W	27673.8	43910.0	13709.1	82.	1.167	30756.	26.36	1.74	44.	30800.
USSR	79 7 7	4204N	12441W	27567.5	43751.1	14172.7	87.	0.667	17574.	26.36	0.00	26.	17600.
USSR	78 7 4	4120N	12438W	27448.7	43825.5	14519.5	55.	1.667	43932.	26.36	1.39	66.	44000.
USSR	79 617	4112N	12431W	27436.7	43817.9	14593.9	77.	1.250	32949.	26.36	1.50	51.	33000.
POLAND	79 613	4045N	12449W	27321.7	43762.4	14745.0	55.	0.833	21925.	26.31	1.52	75.	22000.
USSR	77 723	4231N	12450W	27617.2	43893.7	13942.1	82.	0.917	24094.	26.28	1.52	106.	24200.
USSR	77 727	4226N	12449W	27607.2	43890.4	13954.0	82.	0.833	21847.	26.22	1.47	153.	22000.
USSR	79 610	4156N	12450W	27523.9	43862.4	14196.7	98.	1.083	27918.	25.77	1.52	22.	27940.
POLAND	77 8 6	4255N	12453W	27665.3	43907.8	13742.1	71.	2.083	53102.	25.49	1.61	1898.	55000.
USSR	79 625	4259N	12513W	27629.3	43902.3	13689.4	87.	2.000	50560.	25.28	1.58	40.	50600.
USSR	79 619	4051N	12449W	27340.6	43773.3	14703.9	60.	1.333	33660.	25.25	1.65	0.	33650.
USSR	77 613	4133N	12436W	27437.5	43842.8	14421.1	164.	1.167	29338.	25.15	1.32	76.	29414.
USSR	79 721	4232N	12450W	27619.5	43894.4	13934.0	109.	1.750	43977.	25.13	1.63	23.	44000.
POLAND	77 624	4223N	12443W	27500.0	43888.1	14008.3	55.	1.167	29040.	24.89	1.43	0.	29040.
USSR	79 619	4129N	12450W	27444.1	43828.2	14417.0	55.	1.333	33000.	24.75	1.61	0.	33000.
USSR	77 720	4234N	12451W	27522.3	43895.4	13916.5	546.	1.333	33000.	24.75	1.55	0.	33000.
USSR	78 629	4050N	12434W	27350.3	43780.2	14745.9	55.	1.333	32965.	24.74	1.21	15.	33000.
POLAND	78 625	4134N	12426W	27509.6	43849.3	14432.7	66.	1.333	32974.	24.73	1.28	26.	33000.
USSR	78 723	4034N	12444W	27293.3	43744.2	14830.9	82.	1.333	32961.	24.72	1.25	39.	33000.
POLAND	77 728	4221N	12443W	27597.0	43886.9	14025.8	44.	1.167	28820.	24.70	1.52	552.	29372.
POLAND	77 619	4247N	12458W	27638.7	43901.5	13803.2	44.	1.417	34980.	24.69	1.34	0.	34980.
USSR	78 627	4119N	12441W	27440.3	43822.5	14520.8	52.	1.333	32909.	24.68	1.45	91.	33000.
USSR	79 726	4231N	12450W	27617.2	43893.7	13942.1	87.	0.250	6160.	24.64	1.91	0.	6160.
USSR	79 616	4101N	12433W	27397.9	43799.5	14670.0	87.	1.250	30800.	24.64	1.47	0.	30800.
USSR	77 730	4224N	12450W	27600.5	43888.4	13999.0	82.	1.333	32713.	24.53	1.54	287.	33000.
POLAND	78 623	4124N	12428W	27479.7	43836.5	14509.3	52.	0.417	10222.	24.53	1.30	118.	10340.
USSR	79 727	4059N	12437W	27354.7	43793.9	14675.2	109.	1.167	28600.	24.51	1.91	0.	28600.
USSR	78 7 3	4117N	12459W	27404.6	43809.9	14498.9		1.167	28575.	24.49	1.32	25.	28600.
USSR	78 622	4120N	12435W	27454.2	43827.2	14525.7	137.	1.533	37400.	24.39	1.39	0.	37400.
USSR	78 7 9	4127N	12437W	27471.6	43835.6	14468.8		1.083	26399.	24.37	1.18	1.	26400.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPRDX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	79 8 9	4207N	12443W	27571.4	43877.0	14145.6	120.	1.083	26399.	24.37	0.99	1.	26400.
USSR	78 8 16	4235N	12510W	27590.2	43899.1	13897.4	87.	1.083	26395.	24.36	1.39	5.	26400.
USSR	78 7 23	4040N	12440W	27318.3	43758.2	14800.4	96.	1.083	26380.	24.35	1.12	20.	26400.
USSR	78 7 1	4126N	12437W	27468.6	43834.3	14476.4		1.000	24017.	24.02	1.49	183.	24200.
USSR	78 7 1	4115N	12437W	27435.1	43818.9	14558.8	82.	1.833	43985.	23.99	1.45	15.	44000.
USSR	79 7 21	4231N	12453W	27611.5	43892.6	13938.6	93.	0.917	21980.	23.98	1.62	20.	22000.
POLAND	78 8 15	4120N	12429W	27465.5	43830.5	14538.2	71.	1.833	43959.	23.98	1.34	41.	44000.
USSR	79 8 24	4254N	12510W	27632.4	43901.9	13735.8	131.	0.917	21978.	23.98	1.61	22.	22000.
USSR	77 7 24	4158N	12441W	27551.7	43269.3	14220.6	60.	2.750	65911.	23.97	1.47	89.	66000.
POLAND	78 8 12	4100N	12429W	27401.7	43800.2	14686.3	44.	0.917	21967.	23.96	1.32	33.	22000.
POLAND	77 7 29	4228N	12451W	27608.2	43891.1	13965.3	98.	1.833	43660.	23.81	1.44	340.	44000.
USSR	79 8 15	4104N	12432W	27409.4	43805.0	14650.5	87.	1.250	29673.	23.74	1.50	28.	29700.
POLAND	77 7 31	4246N	12458W	27540.1	43901.6	13813.3	44.	1.250	29572.	23.66	1.63	3744.	33317.
USSR	79 7 26	4058N	12440W	27370.2	43787.1	14689.7	115.	1.583	37400.	23.62	1.85	0.	37400.
USSR	79 8 20	4138N	12454W	27473.0	43840.8	14353.3	93.	1.583	37394.	23.62	1.69	6.	37400.
USSR	79 8 16	4108N	12430W	27425.8	43812.4	14625.7	77.	1.500	35184.	23.46	1.43	16.	35200.
USSR	77 7 15	4137N	12439W	27497.2	43847.2	14388.5	109.	1.500	35180.	23.45	1.43	20.	35200.
USSR	77 7 24	4205N	12441W	27570.1	43876.1	14164.7	82.	1.667	39022.	23.41	1.52	578.	39600.
USSR	78 7 25	4201N	12440W	27561.6	43872.7	14192.2	98.	1.417	33000.	23.29	1.47	0.	33000.
USSR	79 8 23	4223N	12503W	27574.3	43882.4	13990.6	109.	1.417	32998.	23.29	1.78	2.	33000.
USSR	79 8 16	4107N	12432W	27419.0	43809.7	14628.6	56.	1.417	32996.	23.29	1.45	4.	33000.
USSR	77 8 5	4101N	12430W	27403.2	43801.3	14676.8	98.	1.417	32978.	23.28	1.50	22.	33000.
USSR	77 8 5	4231N	12451W	27615.3	43893.3	13941.0	109.	1.417	32932.	23.25	1.54	68.	33000.
USSR	78 8 26	4116N	12436W	27440.0	43820.9	14553.5	109.	2.083	48236.	23.15	1.47	164.	48400.
USSR	79 7 9	4209N	12444W	27574.7	43878.4	14128.1	137.	0.667	15350.	23.03	1.58	50.	15400.
USSR	78 7 1	4124N	12437W	27462.6	43831.6	14491.5	82.	1.417	32571.	22.99	1.36	429.	33000.
USSR	78 8 22	4034N	12448W	27288.2	43741.9	14821.1	98.	1.917	44000.	22.96	1.26	0.	44000.
USSR	79 8 16	4100N	12450W	27387.2	43788.2	14639.0	93.	1.917	43986.	22.95	1.54	14.	44000.
USSR	79 8 20	4137N	12455W	27468.5	43839.0	14359.1	68.	1.917	43956.	22.93	1.72	44.	44000.
USSR	78 7 21	4115N	12430W	27441.7	43819.9	14588.6	82.	1.417	32465.	22.92	1.43	535.	33000.
USSR	78 7 20	4115N	12430W	27448.0	43822.8	14573.7	82.	1.450	32934.	22.71	1.37	66.	33000.
POLAND	77 8 14	4051N	12434W	27353.6	43781.9	14738.9	109.	1.167	26400.	22.63	1.43	0.	26400.
USSR	79 7 22	4208N	12443W	27574.0	43877.9	14137.6	87.	2.417	54626.	22.60	1.06	374.	55000.
USSR	79 8 30	4213N	12445W	27577.2	43890.2	14090.2	93.	1.667	37616.	22.57	1.56	4.	37620.
POLAND	77 8 17	4250N	12455W	27650.8	43904.4	13781.5	55.	1.417	31900.	22.52	1.36	0.	31900.
USSR	78 7 23	4040N	12440W	27318.3	43758.2	14800.4	98.	1.667	37400.	22.44	1.12	0.	37400.
USSR	79 8 29	4200N	12452W	27536.3	43866.3	14187.4	82.	0.500	11220.	22.44	1.74	0.	11220.
USSR	78 7 21	4119N	12436W	27449.3	43825.2	14531.1	71.	1.667	37400.	22.44	1.34	0.	37400.
USSR	78 8 27	4117N	12437W	27441.3	43821.8	14544.0	85.	1.667	37363.	22.42	1.41	37.	37400.
USSR	78 8 27	4119N	12437W	27447.4	43824.7	14529.0	82.	1.667	37284.	22.37	1.43	116.	37400.
POLAND	79 8 26	4255N	12502W	27648.8	43905.0	13734.5	109.	1.750	38904.	22.23	1.68	36.	38940.
POLAND	79 8 16	4105N	12435W	27407.3	43804.8	14536.5	66.	2.167	47956.	22.13	1.58	4.	47960.
POLAND	78 8 21	4121N	12426W	27470.5	43832.4	14532.7	49.	0.667	14715.	22.07	1.38	25.	14740.
USSR	79 8 28	4214N	12445W	27595.4	43882.3	14066.4	66.	1.500	33023.	22.02	1.58	21.	33044.
USSR	78 7 1	4126N	12436W	27470.5	43834.8	14478.4		1.083	23841.	22.01	1.32	359.	24200.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 8 9	4146N	12446W	27509.6	43854.2	14306.3	82.	1.500	33000.	22.00	1.61	0.	33000.
USSR	79 619	4123N	12447W	27441.8	43824.9	14478.9	66.	1.500	33000.	22.00	1.63	0.	33000.
POLAND	77 614	4044N	12437W	27335.9	43767.5	14780.4	109.	1.000	22000.	22.00	1.29	0.	22000.
USSR	78 623	4119N	12437W	27447.4	43824.7	14529.0	131.	1.000	22000.	22.00	1.39	0.	22000.
USSR	78 722	4205N	12445W	27562.4	43874.3	14158.6	82.	1.000	22000.	22.00	1.47	0.	22000.
USSR	79 629	4250N	12500W	27654.5	43906.2	13728.0	98.	2.000	43994.	22.00	1.63	6.	44000.
USSR	79 616	4108N	12434W	27418.6	43810.1	14616.8	68.	1.000	21996.	22.00	1.56	4.	22000.
USSR	79 629	4259N	12512W	27639.6	43904.1	13694.0	109.	1.500	32993.	22.00	1.67	7.	33000.
USSR	79 627	4211N	12445W	27577.8	43879.7	14110.6	109.	1.000	21995.	21.99	1.65	5.	22000.
USSR	79 8 7	4115N	12431W	27446.1	43822.3	14571.6	115.	1.500	32989.	21.99	1.56	11.	33000.
POLAND	78 716	4202N	12439W	27556.2	43874.1	14191.8	60.	1.500	32985.	21.99	1.47	15.	33000.
USSR	78 7 3	4145N	12453W	27494.2	43849.6	14301.9	109.	1.000	21980.	21.98	1.36	20.	22000.
USSR	77 8 1	4231N	12450W	27617.2	43893.7	13942.1	109.	1.000	21977.	21.98	1.52	23.	22000.
USSR	77 724	4208N	12443W	27574.0	43877.9	14137.6	82.	2.000	43954.	21.98	1.43	46.	44000.
POLAND	77 616	4256N	12452W	27673.6	43909.7	13718.2	55.	1.417	31127.	21.97	1.32	113.	31240.
USSR	79 719	4256N	12454W	27669.8	43909.1	13716.5	90.	1.000	21967.	21.97	1.78	33.	22000.
USSR	76 7 5	4120N	12436W	27452.3	43826.6	14523.6	82.	1.000	21965.	21.96	1.25	35.	22000.
USSR	77 710	4124N	12436W	27464.5	43832.1	14493.5	208.	1.000	21947.	21.95	1.39	53.	22000.
USSR	77 729	4229N	12451W	27610.6	43891.8	13957.2	109.	1.500	32910.	21.94	1.58	90.	33000.
USSR	77 724	4207N	12442W	27573.4	43877.4	14147.1	60.	0.500	10965.	21.93	1.50	35.	11000.
POLAND	78 629	4124N	12428W	27479.7	43836.5	14509.8	104.	1.000	21915.	21.92	1.41	85.	22000.
USSR	79 721	4233N	12453W	27516.2	43894.0	13922.4	109.	0.500	10951.	21.90	1.56	49.	11000.
USSR	78 7 4	4125N	12436W	27467.5	43833.5	14466.0		1.500	32846.	21.90	1.14	154.	33000.
POLAND	77 730	4234N	12452W	27620.4	43895.1	13935.4	82.	2.000	43784.	21.89	1.51	216.	44000.
POLAND	77 719	4142N	12443W	27500.3	43850.1	14339.0	44.	0.583	12760.	21.87	1.54	0.	12760.
USSR	78 7 2	4118N	12437W	27444.4	43823.3	14536.5	60.	1.833	40001.	21.82	1.61	39.	40040.
USSR	78 720	4120N	12438W	27448.7	43825.5	14519.5	82.	1.667	36287.	21.77	1.32	13.	36300.
USSR	78 622	4119N	12435W	27451.1	43825.8	14533.2	113.	1.417	30800.	21.74	1.36	0.	30800.
USSR	79 622	4135N	12514W	27485.6	43850.6	14191.7	68.	1.250	27060.	21.65	1.78	0.	27060.
POLAND	78 623	4125N	12427W	27478.6	43835.7	14519.5	71.	1.000	21613.	21.61	1.30	367.	22000.
USSR	77 7 7	4115N	12431W	27446.1	43822.3	14571.6	71.	1.833	39589.	21.59	1.50	11.	39600.
USSR	77 723	4033N	12450W	27282.5	43738.7	14822.8	60.	1.500	32271.	21.51	1.30	729.	33000.
USSR	79 616	4112N	12432W	27434.8	43817.3	14591.7	66.	2.000	42883.	21.44	1.63	17.	42900.
USSR	79 620	4132N	12444W	27473.5	43836.4	14417.3	87.	1.833	39160.	21.36	1.80	0.	39160.
POLAND	77 727	4228N	12450W	27610.1	43891.5	13966.5	82.	0.833	17600.	21.12	1.58	0.	17600.
USSR	76 727	4043N	12438W	27331.1	43755.0	14784.8	82.	1.250	26400.	21.12	1.25	0.	26400.
USSR	79 6 6	4119N	12423W	27474.1	43832.4	14558.5	60.	2.083	43998.	21.12	1.41	2.	44000.
USSR	79 723	4259N	12453W	27673.8	43910.0	13709.1	134.	1.250	26370.	21.10	1.80	30.	26400.
POLAND	77 620	4254N	12452W	27565.1	43897.7	13701.8	77.	1.583	33220.	20.98	1.34	0.	33220.
USSR	78 7 2	4117N	12430W	27454.2	43825.7	14558.7	82.	2.100	43999.	20.95	1.30	1.	44000.
USSR	78 622	4120N	12435W	27454.2	43827.2	14525.7	137.	1.583	32982.	20.83	1.36	18.	33000.
USSR	79 621	4131N	12442W	27474.2	43833.2	14428.7	109.	1.583	32970.	20.82	1.61	30.	33000.
USSR	79 615	4207N	12443W	27571.4	43877.0	14145.6	60.	1.583	32965.	20.82	1.65	35.	33000.
USSR	79 625	4256N	12513W	27655.8	43903.3	13701.3	126.	1.583	32963.	20.82	1.61	59.	33022.
USSR	77 729	4227N	12450W	27607.7	43890.7	13974.7	82.	1.583	32835.	20.74	1.50	165.	33000.

127

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 711	4117N	12437W	27441.3	43321.8	14544.0	546.	1.667	34529.	20.72	1.67	11.	34540.
POLAND	78 725	4140N	12436W	27511.5	43652.3	14370.8	301.	1.500	30800.	20.53	1.50	0.	30800.
USSR	79 612	4143N	12441W	27510.5	43653.3	14338.4	68.	0.750	15393.	20.52	1.61	7.	15400.
USSR	78 626	4120N	12440W	27445.1	43824.5	14515.4	52.	0.750	15361.	20.48	1.28	39.	15400.
USSR	78 722	4121N	12436W	27455.4	43826.0	14516.1	87.	1.583	32371.	20.44	1.52	189.	32560.
USSR	79 620	4129N	12458W	27440.8	43827.2	14413.2	49.	1.833	37400.	20.40	1.63	0.	37400.
USSR	78 617	4109N	12432W	27425.3	43812.8	14613.9	55.	1.833	37376.	20.39	1.41	24.	37400.
USSR	77 8 3	4223N	12452W	27606.3	43890.7	13964.1	109.	2.167	44000.	20.31	1.40	0.	44000.
USSR	77 729	4100N	12433W	27394.7	43797.9	14677.2	126.	1.063	22000.	20.31	1.56	0.	22000.
USSR	78 7 1	4112N	12432W	27434.6	43817.3	14591.7	71.	1.083	21994.	20.30	1.36	6.	22000.
USSR	79 629	4147N	12448W	27508.7	43854.4	14295.1	77.	2.167	43983.	20.30	1.65	17.	44000.
USSR	77 724	4157N	12442W	27547.1	43867.9	14226.9	82.	1.583	31989.	20.20	1.56	1011.	33000.
USSR	77 723	4207N	12445W	27557.6	43876.1	14142.6	87.	2.063	41948.	20.13	1.32	2052.	44000.
POLAND	77 720	4227N	12449W	27609.6	43891.1	13975.9	82.	1.417	28518.	20.13	1.63	82.	28600.
USSR	77 720	4230N	12453W	27609.2	43891.8	13946.7	131.	1.750	35183.	20.10	1.62	17.	35200.
USSR	78 622	4111N	12431W	27433.5	43816.4	14601.3	154.	2.417	48400.	20.03	1.39	0.	48400.
POLAND	79 612	4204N	12444W	27551.7	43873.8	14168.1	104.	2.833	56467.	19.93	1.73	73.	56560.
POLAND	77 616	4250N	12458W	27658.2	43906.8	13729.7	38.	1.417	28160.	19.83	1.41	0.	28160.
USSR	78 721	4113N	12430W	27441.7	43819.9	14588.6	82.	1.633	32466.	19.88	1.43	534.	33000.
USSR	79 7 6	4159N	12440W	27556.3	43870.8	14214.2	191.	1.333	26400.	19.80	1.70	0.	26400.
POLAND	78 714	4142N	12506W	27454.0	43839.7	14302.2	33.	0.667	13200.	19.80	1.38	0.	13200.
USSR	77 717	4050N	12435W	27358.7	43779.6	14743.5	59.	1.333	26400.	19.80	1.47	0.	26400.
USSR	78 626	4044N	12441W	27329.9	43765.2	14770.8	109.	1.667	33000.	19.80	1.30	0.	33000.
USSR	79 611	4140N	12438W	27511.5	43852.3	14370.8	60.	1.667	32998.	19.80	1.54	2.	33000.
USSR	79 619	4100N	12452W	27364.2	43787.1	14634.6	71.	1.667	32997.	19.80	1.63	3.	33000.
USSR	79 621	4137N	12453W	27477.5	43842.5	14347.6	82.	1.333	26376.	19.78	1.67	24.	26400.
USSR	79 7 6	4153N	12454W	27527.4	43863.3	14199.9	164.	1.000	19777.	19.78	1.76	23.	19800.
USSR	77 728	4233N	12451W	27619.9	43894.7	13924.7	77.	1.667	32947.	19.77	1.43	53.	33000.
USSR	78 7 5	4137N	12434W	27506.7	43849.8	14397.8	66.	1.333	26302.	19.73	1.47	98.	26400.
USSR	78 613	4107N	12433W	27417.2	43809.1	14626.4	25.	1.667	32864.	19.72	1.18	136.	33000.
USSR	77 720	4233N	12451W	27619.9	43894.7	13924.7	93.	1.667	32804.	19.68	1.54	196.	33000.
POLAND	78 616	4125N	12427W	27484.7	43838.4	14594.2	60.	0.750	14700.	19.60	1.38	40.	14740.
USSR	79 628	4252N	12504W	27638.7	43902.6	13757.1	87.	1.333	26114.	19.59	1.74	66.	26180.
USSR	77 724	4206N	12442W	27570.8	43876.5	14155.1	77.	2.250	43995.	19.55	1.56	5.	44000.
USSR	79 6 7	4117N	12433W	27448.6	43824.0	14552.4	98.	2.250	43970.	19.54	1.45	24.	44000.
USSR	79 7 7	4053N	12434W	27370.2	43795.5	14724.8	328.	2.250	43903.	19.51	1.61	97.	44000.
POLAND	78 7 1	4127N	12426W	27488.3	43840.5	14486.8	101.	2.083	46014.	19.49	1.32	3386.	44000.
USSR	78 7 1	4125N	12436W	27467.5	43833.5	14486.0	93.	1.667	32435.	19.46	1.41	565.	33000.
USSR	79 629	4200N	12451W	27538.2	43866.7	14168.9	56.	1.833	35420.	19.32	1.61	0.	35420.
USSR	78 613	4241N	12500W	27621.6	43897.0	13849.9	87.	2.417	46640.	19.30	1.54	0.	46640.
USSR	79 713	4250N	12457W	27560.0	43907.1	13730.5	109.	1.750	33772.	19.30	1.76	108.	33880.
USSR	77 621	4131N	12441W	27476.0	43838.7	14430.6	55.	0.917	17598.	19.20	1.58	2.	17600.
USSR	78 7 9	4128N	12437W	27474.6	43836.9	14461.2	.	0.917	17595.	19.19	1.23	5.	17600.
USSR	79 620	4135N	12455W	27465.7	43837.8	14366.6	82.	2.417	46371.	19.19	1.67	49.	46420.
USSR	79 722	4204N	12442W	27565.6	43874.7	14171.1	87.	0.667	12716.	19.07	0.86	44.	12760.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 7 14	4258N	12459W	27660.6	43907.6	13712.5	109.	1.500	28595.	19.06	1.78	6.	28600.
USSR	79 6 19	4103N	12447W	27381.1	43794.8	14624.4	109.	2.667	50592.	18.97	1.54	8.	50600.
USSR	77 7 25	4140N	12442W	27522.6	43858.4	14297.7	126.	2.333	44000.	18.86	1.63	0.	44000.
USSR	78 6 23	4042N	12441W	27323.4	43761.4	14784.4	44.	1.750	33000.	18.86	1.32	0.	33000.
USSR	79 7 8	4033N	12447W	27286.2	43740.4	14830.1	82.	1.167	22000.	18.86	1.56	0.	22000.
USSR	79 6 20	4203N	12445W	27557.2	43872.4	14174.5	50.	1.750	33000.	18.86	1.56	0.	33000.
USSR	77 7 20	4150N	12443W	27526.2	43860.1	14280.3	120.	1.750	32996.	18.86	1.67	4.	33000.
USSR	79 7 25	4244N	12500W	27623.4	43899.0	13825.7	115.	1.167	21996.	18.85	1.75	4.	22000.
USSR	78 7 20	4121N	12432W	27452.8	43830.2	14524.4	85.	1.167	21992.	18.85	1.30	8.	22000.
USSR	79 6 22	4143N	12459W	27478.3	43844.3	14306.7	115.	1.167	21992.	18.85	1.67	3.	22000.
USSR	79 6 24	4205N	12450W	27538.5	43863.5	14139.1	82.	1.167	21991.	18.85	1.65	9.	22000.
USSR	77 6 3	4230N	12452W	27611.0	43892.2	13947.9	109.	1.750	32978.	18.84	1.46	22.	33000.
USSR	79 7 24	4042N	12440W	27324.8	43762.0	14786.8	87.	1.750	32975.	18.84	1.83	25.	33000.
USSR	78 7 7	4110N	12439W	27440.8	43822.2	14532.3	120.	1.750	32962.	18.84	1.32	39.	33000.
USSR	77 7 27	4231N	12453W	27611.5	43892.6	13938.6	546.	1.750	32948.	18.83	1.65	52.	33000.
USSR	77 7 20	4220N	12451W	27609.2	43891.1	13965.3	546.	1.167	21965.	18.83	1.53	35.	22000.
USSR	79 6 23	4230N	12501W	27594.5	43880.8	13937.3	66.	1.917	36080.	18.82	1.89	0.	36080.
USSR	79 6 16	4107N	12434W	27415.4	43808.5	14624.1	77.	1.167	21960.	18.82	1.36	40.	22000.
USSR	77 7 10	4053N	12437W	27365.3	43783.7	14717.8	55.	0.917	17252.	18.82	1.40	348.	17600.
POLAND	78 6 17	4127N	12427W	27490.8	43841.0	14489.9	66.	2.000	37611.	18.81	1.32	9.	37620.
USSR	79 6 23	4250N	12505W	27649.9	43905.8	13707.6	101.	2.750	51695.	18.80	1.61	5.	51700.
USSR	77 8 8	4232N	12450W	27619.5	43894.4	13934.0	87.	1.167	21889.	18.76	1.47	111.	22000.
USSR	78 6 22	4043N	12439W	27329.6	43764.5	14782.4	109.	2.583	48400.	18.74	1.32	0.	48400.
POLAND	79 6 7	4033N	12446W	27287.5	43741.0	14832.6	66.	2.667	49924.	18.72	1.41	16.	49940.
POLAND	79 7 10	4227N	12449W	27609.6	43891.1	13975.9	77.	0.833	15598.	18.72	0.68	22.	15620.
USSR	79 6 27	4225N	12455W	27593.6	43887.2	13934.6	109.	1.000	18700.	18.70	1.89	0.	18700.
USSR	79 6 23	4259N	12506W	27650.1	43906.0	13698.7	98.	2.167	40463.	18.68	1.62	17.	40480.
USSR	79 6 17	4053N	12453W	27341.2	43774.6	14681.0	87.	1.417	26367.	18.61	1.63	33.	26400.
POLAND	79 7 14	4256N	12450W	27661.9	43907.5	13731.3	77.	1.417	26360.	18.61	1.58	40.	26400.
USSR	77 7 29	4229N	12440W	27616.2	43893.0	13960.8	87.	2.333	43227.	19.53	1.63	773.	44000.
USSR	78 7 4	4130N	12439W	27494.3	43846.0	14396.2	115.	1.667	30800.	18.48	1.26	0.	30800.
POLAND	77 6 17	4250N	12459W	27656.4	43906.5	13723.8	55.	0.667	12320.	18.48	1.34	0.	12320.
USSR	78 6 23	4250N	12503W	27636.2	43901.7	13774.2	55.	1.667	30800.	18.48	1.50	0.	30800.
USSR	79 6 22	4157N	12512W	27494.0	43853.9	14179.6	77.	1.083	20018.	18.48	1.65	2.	20020.
USSR	77 7 30	4231N	12452W	27613.4	43892.9	13939.8	60.	1.667	30774.	18.46	1.56	26.	30800.
USSR	79 6 11	4205N	12445W	27562.4	43874.3	14158.6	109.	1.750	32095.	18.34	1.63	25.	32120.
POLAND	79 6 14	4053N	12452W	27342.6	43775.1	14683.3	49.	1.833	33579.	18.32	1.52	31.	33660.
USSR	79 7 9	4058N	12430W	27393.4	43796.3	14698.5	437.	2.167	39596.	18.28	1.56	4.	39600.
USSR	79 7 9	4208N	12450W	27549.7	43872.2	14118.5	186.	1.083	19696.	18.18	1.63	104.	19800.
USSR	77 7 22	4152N	12442W	27533.6	43862.7	14266.3	123.	2.417	43933.	18.18	1.43	67.	44000.
POLAND	79 7 11	4231N	12450W	27617.2	43893.7	13942.1	82.	2.667	48400.	18.15	1.69	0.	48400.
POLAND	79 7 14	4259N	12450W	27664.5	43908.5	13705.1	66.	2.917	52686.	18.06	1.69	114.	52800.
USSR	79 7 21	4233N	12453W	27616.2	43894.0	13922.4	109.	1.583	24585.	18.05	1.53	15.	28600.
USSR	77 6 15	4205N	12450W	27553.0	43872.0	14151.0	137.	1.583	28529.	18.02	1.69	71.	28600.
POLAND	79 6 9	4031N	12444W	27233.6	43738.1	14850.7	82.	3.417	61541.	18.01	1.43	59.	61600.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	78 615	4241N	12506W	27610.9	43894.8	13843.8	109.	1.833	33000.	18.00	1.52	0.	33000.
USSR	79 722	4233N	12450W	27621.3	43895.1	13925.8	109.	1.833	32973.	17.99	1.54	28.	33000.
USSR	79 618	4052N	12440W	27357.3	43780.2	14717.8	71.	1.833	32966.	17.98	1.58	34.	33000.
POLAND	79 7 3	4102N	12433W	27401.2	43801.2	14662.7	109.	0.833	14780.	17.74	1.54	620.	15400.
USSR	78 727	4038N	12445W	27307.6	43752.6	14806.6	93.	1.867	33000.	17.68	1.50	0.	33000.
USSR	79 711	4114N	12431W	27443.0	43820.8	14579.0	115.	1.083	19100.	17.63	1.74	40.	19140.
USSR	79 617	4104N	12438W	27399.0	43801.5	14637.1	82.	0.500	8800.	17.60	1.58	0.	8800.
POLAND	77 7 6	4220N	12447W	27596.5	43886.5	14035.2	22.	2.500	44000.	17.60	1.50	0.	44000.
USSR	78 623	4036N	12445W	27298.4	43747.5	14815.1	77.	1.250	22000.	17.60	1.30	0.	22000.
USSR	79 723	4034N	12449W	27286.9	43741.3	14918.6	82.	0.500	8800.	17.60	1.30	0.	8800.
USSR	78 725	4206N	12444W	27566.9	43875.6	14152.1	93.	1.500	26400.	17.60	1.47	0.	26400.
USSR	79 619	4124N	12449W	27441.3	43825.2	14467.6	44.	2.500	44000.	17.60	1.61	0.	44000.
USSR	79 721	4133N	12436W	27487.5	43842.8	14421.1	104.	1.250	21993.	17.59	0.81	7.	22000.
USSR	78 722	4143N	12440W	27512.4	43853.8	14340.2	87.	1.750	30785.	17.59	1.43	15.	30800.
USSR	79 7 9	4053N	12434W	27370.2	43785.5	14724.8	328.	2.000	35176.	17.59	1.56	24.	35200.
USSR	79 7 7	4036N	12445W	27298.4	43747.5	14815.1	82.	0.750	13191.	17.59	1.10	9.	13200.
USSR	78 721	4121N	12437W	27453.5	43827.5	14514.1	87.	1.250	21981.	17.58	1.39	19.	22000.
USSR	79 622	4135N	12442W	27485.8	43843.2	14398.2	131.	1.250	21956.	17.56	1.76	44.	22000.
POLAND	78 629	4123N	12428W	27476.6	43835.2	14517.5	115.	1.000	17556.	17.56	1.42	44.	17600.
USSR	79 614	4111N	12431W	27433.5	43816.4	14601.3	82.	1.250	21926.	17.54	1.41	74.	22000.
USSR	79 724	4259N	12455W	27673.8	43910.0	13709.1	92.	1.000	17519.	17.52	1.98	81.	17600.
USSR	77 724	4206N	12443W	27558.9	43876.1	14153.6	66.	1.500	28262.	17.51	1.45	138.	26400.
USSR	79 719	4237N	12459W	27658.5	43907.1	13720.6	98.	1.750	30580.	17.47	1.76	0.	30580.
USSR	79 619	4126N	12447W	27450.7	43829.0	14456.6	55.	2.000	34742.	17.37	1.61	18.	34760.
POLAND	77 618	4248N	12506W	27626.5	43899.5	13787.6	96.	2.500	43115.	17.25	1.41	6.	43120.
USSR	79 7 7	4035N	12445W	27295.2	43745.6	14821.8	92.	1.917	32990.	17.21	1.21	10.	33000.
USSR	79 617	4101N	12435W	27394.5	43798.4	14665.4	98.	1.917	32975.	17.20	1.56	25.	33000.
USSR	79 719	4259N	12454W	27671.9	43909.7	13708.3	97.	1.917	32948.	17.19	1.81	52.	33000.
USSR	78 614	4240N	12506W	27608.6	43894.2	13851.8	82.	1.667	28600.	17.16	1.32	0.	28600.
POLAND	77 729	4220N	12451W	27588.9	43884.8	14029.9	44.	1.833	31240.	17.04	1.52	11.	31251.
USSR	79 622	4206N	12510W	27505.1	43858.0	14159.9	77.	2.583	43967.	17.02	1.63	33.	44000.
USSR	79 624	4259N	12507W	27648.4	43905.7	13697.9	104.	1.333	22656.	16.99	1.83	4.	22660.
USSR	79 615	4103N	12432W	27406.1	43803.4	14657.7	96.	1.167	19800.	16.97	1.65	0.	19800.
USSR	77 730	4231N	12455W	27607.8	43891.8	13936.3	77.	2.583	43794.	16.95	1.57	206.	44000.
USSR	78 623	4045N	12437W	27339.1	43769.3	14773.5	104.	2.083	35200.	16.90	1.36	0.	35200.
USSR	78 7 2	4124N	12437W	27482.6	43831.6	14491.5	0.	2.333	32973.	16.83	1.32	327.	39600.
USSR	78 629	4047N	12434W	27350.4	43774.8	14766.9	66.	3.667	61600.	16.80	1.39	0.	61600.
USSR	78 721	4121N	12438W	27451.7	43826.9	14512.0	82.	0.917	15362.	16.76	1.45	39.	15400.
POLAND	78 618	4114N	12429W	27446.7	43821.9	14583.3	66.	1.917	32116.	16.76	1.37	4.	32120.
USSR	79 6 9	4146N	12444W	27513.3	43855.2	14309.8	131.	0.917	15350.	16.75	1.61	50.	15400.
USSR	77 724	4031N	12451W	27275.0	43734.1	14833.4	71.	1.500	25078.	16.72	1.17	1322.	26400.
USSR	79 623	4227N	12459W	27259.1	43887.2	13963.7	120.	1.583	26395.	16.67	1.67	27.	26422.
USSR	78 7 3	4124N	12436W	27464.5	43832.1	14493.5	66.	1.583	26361.	16.65	1.30	39.	26400.
USSR	78 7 3	4117N	12436W	27443.1	43822.4	14546.0	57.	2.250	37376.	16.61	1.39	24.	37400.
USSR	78 616	4118N	12441W	27437.2	43821.1	14528.2	66.	1.583	26250.	16.58	1.23	150.	26400.

130

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 619	4131N	12456W	27449.8	43830.9	14402.1	55.	2.000	33000.	16.50	1.57	0.	33000.
USSR	78 614	4110N	12426W	27435.9	43316.6	14615.3	31.	1.333	22000.	16.50	1.31	0.	22000.
USSR	78 615	4115N	12432W	27444.2	43821.7	14569.4	20.	1.333	21999.	16.50	1.30	1.	22000.
USSR	79 624	4259N	12512W	27639.6	43504.1	13694.0	109.	3.333	54985.	16.50	1.58	15.	55000.
USSR	78 727	4045N	12439W	27336.1	43768.2	14768.7	92.	2.000	32991.	16.50	1.30	9.	33000.
USSR	79 628	4157N	12444W	27543.3	43866.9	14223.6	131.	1.333	21992.	16.49	1.54	8.	22000.
USSR	79 616	4109N	12434W	27421.7	43811.6	14609.5	96.	1.333	21985.	16.49	1.50	15.	22000.
USSR	79 611	4140N	12439W	27505.8	43850.8	14365.3	66.	2.000	32973.	16.49	1.69	27.	33000.
USSR	78 7 2	4126N	12436W	27476.5	43837.5	14463.2	0.	0.917	15112.	16.49	1.32	288.	15400.
USSR	77 8 7	4230N	12450W	27514.8	43893.0	13950.3	96.	0.667	10990.	16.49	1.54	10.	11000.
USSR	79 722	4259N	12452W	27675.7	43910.3	13709.9	109.	2.000	32932.	16.47	0.00	68.	33000.
USSR	79 620	4131N	12444W	27470.6	43837.1	14424.8	93.	1.333	21944.	16.46	1.65	78.	22022.
USSR	79 616	4110N	12431W	27430.3	43814.9	14608.7	82.	2.083	34273.	15.45	1.45	47.	34320.
USSR	79 611	4144N	12436W	27519.0	43855.9	14356.0	77.	2.417	39596.	16.38	1.56	4.	39600.
USSR	79 724	4202N	12440W	27554.2	43873.7	14190.2	97.	0.667	10891.	16.34	1.74	109.	11000.
USSR	77 729	4230N	12450W	27614.8	43893.0	13950.3	98.	2.667	43542.	16.33	1.54	458.	44000.
USSR	77 6 6	4110N	12432W	27428.5	43814.3	14606.5	104.	1.750	28402.	16.23	1.43	198.	28600.
USSR	78 615	4240N	12508W	27605.1	43893.4	13849.8	82.	1.500	24200.	16.13	1.45	0.	24200.
USSR	79 621	4154N	12506W	27428.1	43853.5	14211.7	66.	0.750	12100.	15.13	1.80	0.	12100.
POLAND	79 6 8	4042N	12455W	27304.4	43753.5	14751.1	98.	0.833	13409.	16.09	1.34	11.	13420.
USSR	79 627	4232N	12452W	27515.7	43893.7	13931.7	109.	1.000	16060.	16.06	1.91	0.	16060.
USSR	79 629	4151N	12450W	27516.0	43857.8	14260.8	109.	1.167	18700.	16.03	1.85	0.	18700.
POLAND	79 7 6	4225N	12449W	27604.8	43889.6	13992.1	82.	2.917	46585.	15.97	1.80	55.	46640.
USSR	79 613	4126N	12437W	27458.5	43834.3	14476.4	60.	2.083	33220.	15.95	1.61	0.	33220.
POLAND	78 7 7	4201N	12435W	27533.5	43973.2	14199.8	65.	2.083	33209.	15.94	1.36	11.	33220.
POLAND	78 614	4107N	12430W	27422.6	43810.6	14633.0	191.	2.633	41948.	15.93	1.26	72.	42020.
USSR	79 626	4259N	12505W	27651.9	43906.3	13699.5	77.	2.500	39592.	15.84	1.67	8.	39600.
USSR	79 620	4139N	12507W	27454.2	43835.5	14322.8	77.	1.667	26383.	15.83	1.60	17.	26400.
USSR	77 723	4126N	12436W	27476.5	43837.5	14463.2	87.	1.250	19787.	15.83	1.56	13.	19800.
USSR	79 616	4109N	12436W	27429.0	43813.9	14618.3	66.	2.083	32978.	15.83	1.45	22.	33000.
POLAND	78 615	4119N	12430W	27450.4	43923.5	14543.7	60.	0.833	13191.	15.83	1.36	9.	13200.
USSR	78 625	4051N	12434W	27353.5	43781.9	14738.9	49.	2.083	32854.	15.77	1.25	146.	33000.
POLAND	77 730	4221N	12446W	27597.0	43886.9	14025.8	27.	2.083	32780.	15.73	1.45	4.	32784.
POLAND	77 619	4256N	12459W	27650.6	43907.6	13712.5	82.	1.833	28590.	15.59	1.44	10.	28600.
USSR	77 729	4213N	12449W	27575.3	43879.8	14088.8	93.	2.667	41571.	15.59	1.56	229.	41600.
USSR	79 617	4111N	12431W	27433.5	43816.4	14601.3	55.	1.417	22000.	15.53	1.36	0.	22000.
USSR	78 7 4	4136N	12436W	27496.2	43846.5	14398.1	115.	1.417	22000.	15.53	1.27	0.	22000.
USSR	77 721	4111N	12439W	27419.2	43811.9	14584.0	109.	1.417	21999.	15.53	1.56	1.	22000.
POLAND	79 811	4204N	12444W	27561.7	43873.8	14168.1	142.	1.417	21989.	15.52	1.82	11.	22000.
POLAND	77 7 5	4254N	12455W	27659.4	43906.7	13748.6	55.	2.000	31020.	15.51	1.41	0.	31020.
USSR	77 729	4228N	12446W	27613.9	43892.3	13969.0	87.	2.833	43923.	15.50	1.56	77.	44000.
POLAND	78 5 9	4033N	12443W	27291.4	43742.7	14840.0	55.	1.417	21949.	15.49	1.52	51.	22000.
POLAND	77 724	4222N	12459W	27579.1	43883.2	14003.6	39.	2.000	30859.	15.43	1.58	563.	31423.
POLAND	79 612	4140N	12441N	27532.0	43849.8	14361.6	82.	2.667	41126.	15.42	1.61	14.	41140.
USSR	77 8 2	4117N	12431W	27452.3	43825.2	14556.6	101.	1.000	15387.	15.39	1.52	13.	15400.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YMMDDJ	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	77 0 0	4111N	12431W	27433.5	43816.4	14601.3	90.	2.583	39585.	15.32	1.41	15.	39600.
POLAND	78 624	4135N	12428W	27512.7	43850.5	14424.9	56.	1.000	15292.	15.29	1.31	108.	15400.
POLAND	79 7 1	4235N	12454W	27621.3	43895.7	13896.9	104.	2.333	35629.	15.27	1.80	11.	35640.
POLAND	77 8 7	4257N	12453W	27669.6	43906.9	13725.6	82.	2.167	33000.	15.23	1.54	0.	33000.
POLAND	79 711	4229N	12450W	27612.4	43892.2	13958.4	98.	1.083	16482.	15.21	1.58	18.	16500.
POLAND	78 020	4125N	12427W	27484.7	43838.4	14504.2	71.	2.167	32940.	15.20	1.36	60.	33000.
USSR	78 7 5	4119N	12430W	27449.3	43825.2	14531.1		1.000	15198.	15.20	1.23	202.	15400.
USSR	79 617	4053N	12449W	27346.9	43776.8	14690.1	71.	0.607	10110.	15.17	1.50	10.	10120.
POLAND	79 625	4255N	12504W	27645.2	43904.4	13732.8	109.	3.250	49205.	15.14	1.69	75.	49280.
USSR	78 617	4117N	12443W	27430.7	43818.5	14531.5	77.	2.167	32802.	15.14	1.33	198.	33000.
USSR	79 810	4041N	12437W	27326.0	43761.9	14800.9.	164.	2.500	37837.	15.13	1.03	3.	37840.
USSR	79 619	4129N	12457W	27442.5	43827.7	14415.1	49.	1.583	23944.	15.12	1.63	36.	23980.
POLAND	79 7 6	4227N	12450W	27607.7	43899.7	13974.7	90.	2.500	37756.	15.10	1.89	84.	37840.
USSR	79 010	4100N	12439W	27403.6	43804.1	14620.4	87.	1.167	17600.	15.09	1.61	0.	17600.
USSR	77 8 9	4232N	12450W	27619.5	43894.4	13934.0	87.	1.167	17583.	15.07	1.61	17.	17000.
POLAND	79 714	4259N	12457W	27656.4	43908.8	13705.9	137.	1.167	17547.	15.04	1.65	53.	17600.
USSR	79 710	4206N	12500W	27637.5	43868.5	14128.4	197.	1.167	17525.	15.02	1.69	75.	17600.
POLAND	79 623	4102N	12434W	27399.4	43800.6	14660.5	38.	2.750	41118.	14.95	1.58	22.	41140.
USSR	79 725	4056N	12439W	27371.8	43787.7	14692.0	109.	2.333	34760.	14.90	1.94	0.	34750.
USSR	77 611	4233N	12443W	27625.6	43895.9	13928.1	104.	1.917	28541.	14.89	1.43	59.	28600.
POLAND	77 625	4221N	12452W	27589.5	43885.3	14020.6	55.	1.833	27280.	14.88	1.45	0.	27280.
USSR	79 727	4037N	12439W	27309.9	43753.0	14823.1	87.	2.063	30784.	14.78	1.65	16.	30800.
POLAND	77 7 7	4202N	12430W	27558.1	43874.6	14193.4	55.	2.250	33222.	14.77	1.36	2.	33224.
POLAND	77 714	4114N	12423W	27448.6	43822.5	14585.5	44.	2.250	33220.	14.76	1.45	20.	33240.
POLAND	77 014	4054N	12434W	27373.5	43727.2	14717.7	60.	2.250	33220.	14.76	1.25	0.	33220.
POLAND	78 610	4115N	12427W	27453.7	43824.5	14560.2	66.	1.833	27057.	14.76	1.33	3.	27060.
USSR	77 615	4131N	12437W	27483.5	43840.0	14438.3	154.	2.250	33000.	14.67	1.24	0.	33000.
USSR	79 613	4201N	12452W	27538.9	43867.3	14179.5	98.	0.750	11000.	14.67	1.63	0.	11000.
USSR	79 613	4201N	12449W	27544.5	43868.6	14184.2	49.	0.750	10999.	14.67	1.54	1.	11000.
USSR	78 621	4125N	12439W	27401.7	43831.9	14480.0	55.	1.500	21997.	14.66	1.40	3.	22000.
USSR	79 616	4034N	12450W	27265.7	43740.7	14816.2	62.	3.000	43991.	14.66	1.52	9.	44000.
USSR	77 726	4147N	12442W	27519.8	43857.3	14305.5	126.	1.500	21992.	14.66	1.65	8.	22000.
USSR	77 724	4136N	12436W	27496.2	43846.5	14398.1	56.	1.500	21991.	14.66	1.69	9.	22000.
USSR	79 624	4259N	12512W	27639.6	43904.1	13694.0	109.	1.500	21984.	14.66	1.65	16.	22000.
USSR	77 719	4229N	12459W	27595.8	43888.8	13947.7	55.	1.167	17096.	14.65	1.54	504.	17600.
POLAND	79 014	4052N	12448W	27345.2	43775.6	14699.3	77.	2.250	32938.	14.64	1.43	62.	33000.
USSR	79 7 5	4146N	12451W	27500.5	43851.8	14297.7	131.	3.000	43905.	14.64	1.65	95.	44000.
USSR	79 623	4259N	12503W	27655.5	43906.9	13701.1	82.	1.500	21936.	14.62	1.54	64.	22000.
USSR	77 730	4221N	12451W	27591.3	43885.7	14021.9	87.	1.750	25511.	14.58	1.58	889.	26400.
USSR	78 617	4120N	12437W	27450.5	43826.1	14521.6	55.	1.833	26400.	14.40	1.43	0.	26400.
POLAND	80 728	4142N	12439W	27511.5	43853.1	14349.8	104.	0.917	13190.	14.39	1.17	10.	13200.
USSR	78 625	4120N	12437W	27450.5	43826.1	14521.6	109.	0.917	13187.	14.39	1.36	13.	13200.
USSR	78 017	4110N	12437W	27444.4	43923.3	14536.5	66.	1.833	26310.	14.35	1.36	90.	26400.
USSR	79 618	4056N	12450W	27354.8	43781.5	14667.0	109.	1.917	27489.	14.34	1.56	11.	27500.
USSR	79 623	4224N	12501W	27580.3	43864.1	13985.2	79.	1.583	22660.	14.31	1.89	0.	22660.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LUNG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	78 7 6	4132N	12436W	27484.5	43841.5	14428.8		2.000	28552.	14.28	1.27	48.	28600.
POLAND	77 7 2	4253N	12453W	27671.7	43909.4	13717.3	66.	1.667	23760.	14.26	1.41	0.	23760.
USSR	79 628	4155N	12445W	27536.0	43864.4	14237.3	120.	0.833	11880.	14.26	1.58	0.	11880.
POLAND	79 623	4048N	12435W	27332.1	43776.0	14757.5	89.	1.333	18913.	14.19	1.45	7.	18920.
USSR	79 622	4159N	12517W	27491.2	43853.8	14157.0	66.	1.600	22660.	14.16	1.83	0.	22660.
POLAND	78 610	4040N	12436W	27321.2	43759.4	14805.3	71.	0.917	12980.	14.16	1.43	220.	13200.
POLAND	77 712	4223N	12452W	27594.3	43886.9	14004.5	98.	1.167	16502.	14.14	1.61	16.	16518.
USSR	78 725	4204N	12441W	27567.5	43875.1	14172.7	98.	2.333	33000.	14.14	1.47	0.	33000.
USSR	78 616	4233N	12507W	27602.3	43892.4	13866.8	115.	2.333	33000.	14.14	1.49	0.	33000.
USSR	77 722	4235N	12450W	27626.5	43896.5	13909.5	71.	1.500	21212.	14.14	1.45	738.	22000.
POLAND	77 630	4151N	12445W	27525.2	43860.2	14269.1	55.	2.333	32985.	14.14	1.52	15.	33000.
USSR	79 611	4141N	12441W	27504.9	43851.0	14353.9	87.	2.333	32984.	14.14	1.61	17.	33000.
POLAND	78 7 4	4131N	12427W	27502.9	43846.1	14457.9	93.	2.333	32962.	14.13	1.31	38.	33000.
USSR	79 6 8	4056N	12433W	27331.7	43791.2	14705.8	164.	2.083	29150.	13.99	1.67	0.	29150.
POLAND	78 7 1	4130N	12423W	27497.9	43844.3	14463.7	63.	1.000	13963.	13.96	1.52	117.	14080.
USSR	79 611	4138N	12430W	27496.2	43846.5	14398.1	55.	1.417	19776.	13.96	1.58	24.	19800.
USSR	79 8 9	4144N	12440W	27515.2	43854.9	14332.4	109.	2.833	39410.	13.91	1.63	190.	39600.
USSR	77 729	4116N	12432W	27447.4	43823.2	14582.0	104.	1.583	22000.	13.89	1.52	0.	22000.
USSR	79 626	4257N	12457W	27666.4	43908.8	13705.9	109.	1.583	21993.	13.89	1.76	7.	22000.
USSR	79 720	4259N	12501W	27659.1	43907.6	13702.7	71.	1.583	21989.	13.89	1.77	11.	22000.
USSR	79 714	4231N	12452W	27613.4	43892.9	13939.8	109.	1.583	21959.	13.87	1.63	41.	22000.
USSR	77 725	4151N	12443W	27528.9	43861.2	14272.5	109.	1.667	23098.	13.86	1.65	2.	23100.
USSR	78 7 4	4123N	12437W	27459.6	43830.2	14499.0	56.	1.583	21921.	13.84	1.28	79.	22000.
USSR	77 713	4120N	12443W	27439.8	43822.8	14509.3	93.	1.750	24116.	13.78	1.45	84.	24200.
USSR	78 614	4105N	12432W	27412.6	43808.5	14643.2	26.	1.917	26400.	13.77	1.34	0.	26400.
USSR	77 720	4057N	12433W	27334.9	43792.9	14698.7	27.	1.917	26400.	13.77	1.58	0.	26400.
USSR	78 7 3	4120N	12454W	27421.3	43816.9	14487.1		1.917	26400.	13.77	1.34	0.	26400.
USSR	79 621	4136N	12446W	27491.4	43842.4	14383.1	131.	1.167	16060.	13.77	1.76	0.	16060.
USSR	78 7 2	4111N	12431W	27433.5	43816.4	14601.3	93.	2.000	27500.	13.75	1.32	0.	27500.
USSR	78 7 5	4135N	12439W	27491.4	43844.8	14403.9	66.	1.917	26347.	13.75	1.50	53.	26400.
USSR	78 622	4038N	12447W	27322.2	43750.3	14796.9	148.	2.083	28600.	13.73	1.30	0.	28600.
POLAND	79 712	4231N	12451W	27615.3	43893.3	13941.0	93.	1.917	26241.	13.69	1.61	159.	26400.
POLAND	78 720	4154N	12450W	27524.1	43861.0	14237.4	22.	0.917	12518.	13.66	1.39	22.	12540.
USSR	77 731	4254N	12459W	27652.1	43905.4	13745.2	32.	2.417	33000.	13.66	1.63	0.	33000.
USSR	78 726	4042N	12436W	27327.8	43765.2	14791.7	104.	2.417	33000.	13.66	1.41	0.	33000.
USSR	79 610	4157N	12457W	27519.5	43860.9	14202.9	98.	2.417	32995.	13.65	1.65	5.	33000.
USSR	79 617	4055N	12442W	27363.8	43784.3	14692.1	104.	2.417	32975.	13.64	1.50	25.	33000.
POLAND	77 725	4220N	12449W	27592.7	43885.7	14032.6	66.	1.000	13640.	13.64	1.47	0.	13640.
POLAND	79 616	4111N	12433W	27429.9	43815.2	14597.0	71.	3.333	45446.	13.63	1.58	94.	45540.
POLAND	77 728	4237N	12500W	27617.1	43895.6	13866.1	60.	2.750	37400.	13.60	1.51	0.	37400.
POLAND	78 630	4119N	12420W	27464.3	43829.7	14547.9	55.	1.083	14709.	13.58	0.21	31.	14740.
USSR	78 617	4128N	12436W	27466.8	43833.8	14474.4	71.	2.917	39592.	13.57	1.36	8.	39600.
POLAND	79 725	4249N	12456W	27646.7	43903.4	13788.8	437.	1.167	15333.	13.57	1.76	7.	15840.
USSR	79 629	4258N	12457W	27664.3	43908.2	13714.1	104.	2.917	39548.	13.56	1.56	52.	39600.
POLAND	77 614	4057N	12434W	27383.3	43792.3	14696.4	98.	2.583	34980.	13.54	3.05	4620.	39600.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	79 017	4101N	12439W	27387.8	43796.1	14656.4	82.	3.417	46187.	13.52	1.45	13.	46200.
USSR	79 616	4057N	12449W	27359.4	43783.7	14662.3	71.	1.667	22438.	13.46	1.72	2.	22440.
POLAND	79 0 6	4131N	12440W	27477.9	43839.2	14432.5	87.	2.083	27940.	13.41	1.65	0.	27940.
POLAND	79 615	4050N	12450W	27336.1	43771.0	14708.5	55.	2.500	33313.	13.33	1.56	127.	33440.
USSR	79 719	4257N	12458W	27660.3	43907.4	13721.5	109.	1.833	24200.	13.20	1.96	0.	24200.
USSR	78 7 1	4107N	12432W	27419.0	43809.7	14628.6	55.	1.333	17600.	13.20	1.47	0.	17600.
POLAND	77 626	4117N	12428W	27458.0	43826.3	14563.0	27.	1.250	16500.	13.20	1.94	0.	16500.
USSR	79 6 8	4103N	12431W	27424.0	43811.9	14623.4	33.	2.000	26400.	13.20	1.12	0.	26400.
USSR	79 725	4051N	12440W	27354.1	43773.5	14724.8	115.	2.000	26400.	13.20	1.96	0.	26400.
POLAND	78 619	4126N	12426W	27485.8	43839.1	14494.5	38.	0.667	8800.	13.20	1.32	0.	8800.
POLAND	77 621	4257N	12511W	27637.1	43903.3	13710.9	82.	0.333	4400.	13.20	1.64	0.	4400.
USSR	76 727	4036N	12441W	27303.2	43749.8	14824.9	82.	2.500	33000.	13.20	1.50	0.	33000.
POLAND	77 731	4234N	12449W	27626.1	43895.2	13912.6	32.	1.667	22000.	13.20	1.40	0.	22000.
USSR	78 624	4051N	12437W	27358.8	43780.2	14731.8	37.	1.500	19800.	13.20	1.41	0.	19800.
POLAND	77 618	4255N	12456W	27656.1	43906.3	13737.9	93.	2.500	33000.	13.20	1.43	0.	33000.
USSR	78 619	4112N	12431W	27436.7	43817.9	14593.9	115.	2.583	34100.	13.20	1.37	0.	34100.
USSR	78 621	4119N	12431W	27458.6	43828.0	14541.6	104.	1.667	22000.	13.20	1.36	0.	22000.
USSR	77 726	4143N	12443W	27520.7	43857.9	14296.0	93.	1.667	21996.	13.20	1.65	4.	22000.
USSR	79 626	4259N	12452W	27675.7	43910.3	13709.9	87.	1.000	13193.	13.19	1.67	7.	13200.
USSR	79 622	4153N	12510W	27452.1	43852.7	14197.9	77.	1.000	13192.	13.19	1.65	8.	13200.
USSR	79 7 5	4052N	12433W	27368.6	43784.3	14734.2	115.	2.500	32976.	13.19	1.65	24.	33000.
USSR	76 725	4036N	12445W	27304.9	43751.5	14801.8	66.	2.333	30777.	13.19	1.23	23.	30800.
USSR	77 719	4121N	12436W	27455.4	43828.0	14516.1	77.	1.667	21979.	13.19	1.52	21.	22000.
USSR	79 624	4259N	12507W	27648.4	43905.7	13697.9	109.	3.000	39554.	13.18	1.58	46.	39600.
USSR	78 623	4116N	12437W	27444.4	43823.3	14536.5	137.	1.667	21973.	13.18	1.39	28.	22000.
USSR	78 719	4114N	12433W	27459.3	43817.7	14574.7	66.	1.667	21970.	13.18	1.41	30.	22000.
USSR	77 720	4108N	12431W	27424.0	43811.8	14623.4	60.	1.333	17569.	13.18	1.63	31.	17600.
USSR	77 6 6	4119N	12437W	27447.4	43824.7	14529.0	197.	1.000	13172.	13.17	1.32	28.	13200.
POLAND	79 615	4101N	12441W	27384.5	43794.9	14651.9	62.	2.500	32923.	13.17	1.41	77.	33000.
USSR	78 7 7	4126N	12437W	27474.6	43836.9	14461.2		1.667	21941.	13.16	1.25	59.	22000.
USSR	78 719	4113N	12428W	27445.5	43821.0	14593.0	66.	1.667	21941.	13.16	1.43	59.	22000.
USSR	77 721	4049N	12437W	27352.3	43776.6	14745.8	55.	1.667	21924.	13.15	1.32	76.	22000.
USSR	79 813	4213N	12445W	27532.9	43881.5	14094.5	194.	1.333	17511.	13.13	1.08	39.	17600.
USSR	79 7 6	4054N	12439W	27365.3	43784.3	14706.1	120.	1.667	21882.	13.13	1.63	118.	22000.
USSR	78 624	4052N	12434W	27356.9	43783.7	14731.8	77.	2.583	33880.	13.11	1.21	0.	33880.
USSR	79 8 8	4259N	12456W	27658.2	43909.1	13706.7	56.	1.000	13083.	13.08	2.10	117.	13200.
USSR	78 722	4113N	12429W	27443.6	43820.5	14590.9	82.	1.500	19575.	13.05	1.33	2425.	22000.
USSR	79 610	4145N	12441W	27516.1	43855.6	14322.8	115.	1.333	17300.	12.98	1.54	300.	17600.
POLAND	79 616	4050N	12447W	27340.4	43772.7	14715.4	44.	2.333	30241.	12.96	1.63	119.	30360.
POLAND	77 715	4114N	12435W	27435.6	43818.6	14570.5	27.	2.250	29042.	12.91	1.43	27.	29069.
POLAND	78 7 5	4134N	12427W	27511.8	43849.8	14434.6	49.	1.583	20401.	12.89	1.39	1159.	21560.
USSR	79 612	4126N	12436W	27470.5	43834.8	14478.4	60.	1.750	22440.	12.82	1.57	0.	22440.
USSR	79 625	4253N	12513W	27635.8	43903.3	13701.3	131.	2.563	33040.	12.79	1.63	4.	33044.
POLAND	77 619	4259N	12501W	27659.1	43907.6	13702.7	44.	1.583	20240.	12.78	1.50	0.	20240.
USSR	79 726	4057N	12431W	27388.4	43794.1	14703.3	87.	2.333	29609.	12.78	1.72	111.	29920.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	78 617	4114N	12436W	27433.8	43816.0	14568.3	93.	2.583	32984.	12.77	1.39	16.	33000.
USSR	78 626	4115N	12436W	27436.9	43819.5	14560.9	109.	2.583	32864.	12.72	1.45	136.	33000.
USSR	79 7 9	4051N	12437W	27358.8	43780.2	14731.8	328.	2.250	28581.	12.70	1.61	19.	28600.
USSR	79 7 8	4032N	12448W	27281.8	43737.9	14834.2	546.	2.500	31718.	12.69	1.39	1062.	32780.
USSR	77 710	4120N	12437W	27474.6	43836.9	14461.2	82.	2.083	26400.	12.67	1.47	0.	26400.
USSR	79 726	4259N	12451W	27677.5	43910.6	13710.7	82.	0.667	8428.	12.64	1.72	1472.	9900.
USSR	78 7 6	4124N	12437W	27462.6	43831.0	14491.5	60.	2.083	26268.	12.61	1.36	132.	26400.
USSR	79 621	4128N	12440W	27469.0	43835.3	14455.3	137.	1.750	22000.	12.57	1.67	0.	22000.
USSR	79 611	4139N	12442W	27497.3	43848.1	14367.5	93.	1.750	21980.	12.56	1.54	20.	22000.
USSR	78 7 2	4120N	12436W	27472.7	43836.4	14459.2	60.	1.750	21975.	12.56	1.56	25.	22000.
USSR	78 7 3	4136N	12443W	27477.8	43841.4	14379.4	109.	1.750	21973.	12.56	1.32	27.	22000.
USSR	79 623	4259N	12459W	27662.7	43903.2	13704.3	120.	1.750	21967.	12.55	1.78	33.	22000.
POLAND	79 628	4255N	12503W	27647.0	43904.7	13733.6	123.	2.000	25073.	12.54	1.72	7.	25080.
USSR	77 711	4153N	12441W	27538.2	43854.2	14260.1	44.	1.750	21909.	12.52	1.43	91.	22000.
POLAND	77 7 8	4159N	12439W	27558.2	43871.2	14215.8	27.	2.250	28161.	12.52	1.41	4.	28164.
USSR	79 626	4253N	12506W	27633.8	43901.9	13745.5	109.	3.167	39600.	12.51	1.66	0.	39600.
USSR	77 6 4	4256N	12454W	27665.6	43908.1	13733.0	71.	1.750	21861.	12.49	1.68	139.	22000.
USSR	79 621	4129N	12443W	27466.5	43835.1	14441.9	87.	0.917	11440.	12.48	1.85	0.	11440.
USSR	79 8 7	4116N	12435W	27441.8	43821.5	14555.6	120.	1.583	19751.	12.47	1.59	49.	19800.
USSR	78 7 6	4119N	12436W	27449.3	43825.2	14531.1	109.	1.750	21720.	12.41	1.28	280.	22000.
USSR	79 622	4153N	12506W	27493.5	43852.4	14219.3	66.	1.333	16500.	12.38	1.80	0.	16500.
USSR	79 611	4132N	12438W	27484.5	43841.5	14428.8	82.	2.667	32958.	12.36	1.63	42.	33000.
POLAND	77 7 9	4150N	12449W	27531.9	43861.5	14285.5	33.	2.000	24634.	12.32	1.41	4683.	29317.
USSR	79 625	4155N	12443W	27539.9	43865.4	14241.1	60.	3.583	43984.	12.27	1.58	16.	44000.
USSR	77 714	4140N	12437W	27509.6	43851.8	14369.0	109.	1.250	15319.	12.26	1.52	81.	15400.
USSR	79 6 8	4100N	12432W	27396.4	43798.5	14679.5	164.	2.750	33649.	12.24	1.69	11.	33650.
USSR	79 616	4101N	12432W	27399.7	43800.1	14672.2	33.	2.167	26384.	12.18	1.66	17.	26400.
USSR	77 8 3	4234N	12450W	27624.2	43895.8	13917.7	77.	1.083	13180.	12.17	1.45	20.	13200.
USSR	79 630	4207N	12450W	27558.2	43873.9	14135.2	109.	1.083	13172.	12.16	1.63	28.	13200.
USSR	79 7 4	4147N	12459W	27489.2	43849.0	14276.4	120.	1.083	13156.	12.14	1.64	44.	13200.
POLAND	78 629	4124N	12423W	27479.7	43836.5	14509.8	104.	1.083	13143.	12.13	1.43	57.	13200.
POLAND	77 7 8	4156N	12440W	27553.6	43869.8	14222.2	27.	3.250	39335.	12.10	1.45	265.	39600.
USSR	79 630	4145N	12455W	27498.9	43852.1	14275.5	11.	3.667	44208.	12.06	1.65	12.	44220.
USSR	79 621	4140N	12436W	27507.7	43851.3	14367.1	109.	1.333	16054.	12.04	1.58	6.	16060.
POLAND	77 624	4223N	12451W	27596.2	43887.3	14005.8	55.	1.833	22000.	12.00	1.43	0.	22000.
POLAND	77 626	4119N	12431W	27458.6	43828.0	14541.6	60.	0.917	11000.	12.00	1.42	0.	11000.
POLAND	79 613	4214N	12448W	27579.7	43881.1	14082.2	87.	1.833	21998.	12.00	0.84	2.	22000.
POLAND	78 7 1	4123N	12429W	27476.6	43335.2	14517.5	96.	1.833	21992.	12.00	1.32	8.	22000.
USSR	79 6 6	4116N	12432W	27453.6	43826.0	14547.0	55.	2.750	32985.	11.99	1.45	15.	33000.
USSR	79 616	4110N	12434W	27424.9	43813.2	14602.1	66.	1.833	21980.	11.99	1.63	20.	22000.
USSR	79 615	4235N	12457W	27613.4	43893.9	13901.7	120.	1.083	13982.	11.98	1.73	218.	13200.
USSR	79 625	4259N	12509W	27644.8	43905.1	13696.4	104.	1.833	21966.	11.98	1.58	34.	22000.
USSR	79 727	4055N	12434W	27376.7	43788.9	14710.6	109.	2.750	32941.	11.99	1.72	59.	33000.
POLAND	78 613	4104N	12430W	27412.9	43806.1	14655.0	66.	0.917	10978.	11.98	1.30	22.	11000.
USSR	77 729	4228N	12452W	27606.3	43890.7	13964.1	137.	2.750	32836.	11.94	1.44	162.	33000.

135

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE		APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)	
	YYMMDD	LAT	LONG	9X	9Y								9Z
USSR	77 728	4222N	12440W	27599.4	43887.7	14017.7	87.	1.833	21885.	11.94	1.54	115.	22000.
USSR	77 731	4230N	12453W	27599.2	43891.6	13946.7	66.	0.917	10928.	11.92	1.78	72.	11000.
USSR	78 721	4112N	12429W	27440.4	43813.0	14598.2	82.	1.833	21813.	11.90	1.40	197.	22000.
USSR	77 720	4228N	12457W	27597.1	43888.8	13958.1	49.	1.833	21812.	11.90	1.63	182.	22000.
USSR	78 616	4125N	12433W	27463.9	43832.4	14482.0	59.	1.750	20807.	11.89	1.35	1194.	22000.
POLAND	78 616	4119N	12429W	27462.4	43829.1	14545.8	66.	0.833	9900.	11.88	0.56	0.	9900.
POLAND	78 7 8	4157N	12440W	27550.9	43868.8	14230.1	82.	1.667	19793.	11.88	1.50	7.	19600.
POLAND	78 613	4100N	12430W	27399.9	43799.6	14684.0	71.	1.667	19769.	11.86	1.30	31.	19800.
USSR	79 727	4100N	12437W	27337.9	43795.6	14668.1	87.	2.250	26620.	11.83	1.94	0.	26620.
USSR	78 629	4050N	12430W	27393.4	43796.3	14698.5	60.	2.250	26620.	11.83	1.42	0.	26620.
POLAND	79 623	4058N	12434W	27386.5	43794.0	14689.2	120.	2.917	34280.	11.75	1.65	40.	34320.
POLAND	77 7 5	4258N	12456W	27656.1	43908.5	13714.9	55.	2.250	26400.	11.73	1.38	0.	26400.
USSR	79 629	4259N	12500W	27660.9	43907.9	13703.5	109.	2.250	26381.	11.72	1.69	19.	26400.
POLAND	78 719	4158N	12440W	27553.6	43869.8	14222.2	55.	1.500	17580.	11.72	1.33	20.	17600.
POLAND	79 612	4100N	12435W	27391.3	43796.7	14672.6	68.	3.417	40016.	11.71	1.63	24.	40040.
USSR	78 629	4116N	12432W	27447.4	43823.2	14562.0	38.	1.500	17556.	11.70	1.43	44.	17600.
POLAND	78 612	4101N	12430W	27403.2	43801.3	14676.8	38.	1.500	17551.	11.70	1.28	49.	17600.
POLAND	80 728	4139N	12436W	27508.7	43851.1	14378.6	96.	2.250	26283.	11.68	1.34	117.	26400.
POLAND	77 728	4221N	12449W	27595.1	43886.5	14024.5	22.	2.833	33000.	11.65	1.51	0.	33000.
USSR	79 8 6	4042N	12437W	27329.3	43763.7	14794.1	197.	2.750	31888.	11.60	1.56	12.	31900.
POLAND	77 721	4148N	12441W	27518.9	43856.7	14315.1	44.	1.333	15401.	11.55	1.45	8.	15409.
USSR	78 617	4126N	12442W	27459.5	43831.6	14468.5	68.	3.250	37360.	11.50	1.32	40.	37400.
POLAND	77 720	4153N	12459W	27505.4	43855.7	14230.6	22.	3.333	38279.	11.48	1.61	267.	38546.
USSR	79 727	4104N	12433W	27407.6	43804.4	14648.2	107.	1.917	22000.	11.48	1.94	0.	22000.
USSR	77 717	4050N	12435W	27358.7	43779.6	14743.5	55.	1.917	22000.	11.48	1.47	0.	22000.
POLAND	77 8 1	4256N	12450W	27661.9	43907.5	13731.3	32.	1.917	22000.	11.48	1.42	0.	22000.
USSR	79 8 9	4147N	12444W	27516.0	43856.3	14302.0	98.	1.917	21987.	11.47	1.67	13.	22000.
USSR	79 7 8	4159N	12439W	27558.2	43871.2	14215.8	191.	1.917	21966.	11.46	1.74	34.	22000.
USSR	79 7 6	4040N	12443W	27314.1	43756.5	14793.2	546.	1.917	21945.	11.45	1.32	55.	22000.
USSR	79 712	4116N	12433W	27445.5	43822.6	14559.8	120.	2.250	25718.	11.43	1.67	682.	26400.
USSR	79 7 9	4053N	12435W	27368.5	43784.9	14722.4	87.	2.083	23754.	11.40	1.58	6.	23760.
USSR	79 610	4152N	12449W	27520.5	43859.4	14254.7	98.	3.250	36857.	11.34	1.50	103.	36960.
USSR	79 712	4104N	12432W	27409.4	43805.0	14650.5	186.	2.500	28325.	11.33	1.58	55.	28380.
USSR	77 714	4259N	12451W	27677.5	43910.6	13710.7	33.	0.833	9429.	11.31	1.55	12571.	22000.
POLAND	77 725	4211N	12445W	27577.8	43879.7	14110.6	22.	1.750	19800.	11.31	1.45	39.	19840.
USSR	78 621	4119N	12431W	27458.6	43828.0	14541.6	98.	1.750	19800.	11.31	1.41	0.	19800.
USSR	77 714	4145N	12444W	27510.5	43854.1	14317.6	77.	1.167	13200.	11.31	1.56	0.	13200.
USSR	78 724	4048N	12443W	27339.9	43771.4	14738.6	98.	2.333	26400.	11.31	1.08	0.	26400.
USSR	79 721	4259N	12500W	27660.9	43907.9	13703.5	82.	1.750	19792.	11.31	1.76	8.	19800.
POLAND	79 6 9	4036N	12449W	27293.2	43745.3	14805.4	82.	1.167	13194.	11.31	1.34	6.	13200.
POLAND	79 717	4229N	12450W	27612.4	43892.2	13958.4	82.	2.333	26382.	11.31	1.06	18.	26400.
USSR	79 612	4125N	12438W	27463.8	43832.4	14482.0	33.	2.333	26346.	11.29	0.73	54.	26400.
POLAND	78 716	4211N	12444W	27579.8	43880.2	14112.0	33.	3.000	33868.	11.29	1.56	12.	33880.
USSR	77 716	4153N	12442W	27536.3	43863.8	14258.5	82.	1.167	13160.	11.28	1.54	40.	13200.
POLAND	79 621	4034N	12441W	27297.3	43745.9	14838.3	49.	2.417	27250.	11.28	1.19	30.	27280.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 620	4135N	12500W	27454.5	43834.0	14365.0	109.	2.333	26271.	11.26	1.57	129.	26400.
USSR	77 7 9	4157N	12442W	27547.1	43867.9	14226.9	36.	1.167	13119.	11.24	1.50	61.	13200.
USSR	79 812	4202N	12444W	27556.5	43871.9	14194.0	104.	2.167	24174.	11.16	1.56	26.	24200.
USSR	79 8 9	4149N	12445W	27519.7	43858.0	14284.7	44.	2.750	30640.	11.14	1.53	160.	30800.
USSR	79 612	4157N	12447W	27537.6	43865.5	14218.6	71.	1.583	17600.	11.12	1.61	0.	17600.
USSR	77 729	4100N	12435W	27391.3	43796.7	14672.6	98.	1.583	17600.	11.12	1.56	0.	17600.
USSR	77 727	4030N	12449W	27274.2	43733.2	14844.9	120.	1.583	17600.	11.12	1.34	0.	17600.
POLAND	77 710	4205N	12441W	27570.1	43870.1	14164.7	38.	3.167	35190.	11.11	1.46	10.	35200.
USSR	79 724	4205N	12441W	27554.9	43874.2	14180.7	109.	1.583	17579.	11.10	1.76	21.	17600.
USSR	79 615	4102N	12435W	27401.2	43801.2	14662.7	71.	2.083	23100.	11.09	1.58	0.	23100.
POLAND	79 611	4057N	12438W	27376.6	43790.0	14687.2	77.	2.417	26779.	11.08	1.54	61.	26840.
POLAND	79 619	4041N	12437W	27326.0	43761.3	14600.9	36.	3.500	38622.	11.03	1.54	98.	38720.
USSR	79 710	4225N	12451W	27501.0	43888.8	13989.6	126.	2.000	22020.	11.01	1.65	200.	22220.
USSR	78 626	4045N	12437W	27339.1	43769.3	14773.5	109.	1.000	11000.	11.00	1.12	0.	11000.
USSR	78 726	4205N	12441W	27570.1	43870.1	14164.7	109.	2.000	22000.	11.00	1.54	0.	22000.
USSR	79 616	4032N	12440W	27303.5	43750.9	14799.3	71.	3.000	32992.	11.00	1.39	8.	33000.
USSR	79 617	4055N	12432W	27300.1	43790.1	14715.3	33.	2.917	32069.	11.00	1.54	51.	32120.
USSR	79 628	4259N	12459W	27662.7	43908.2	13704.3	82.	3.000	32980.	10.99	1.61	20.	33000.
POLAND	78 721	4149N	12500W	27492.9	43250.8	14259.5	77.	1.000	10983.	10.99	1.42	12.	11000.
USSR	78 7 4	4123N	12436W	27451.4	43830.8	14501.1	66.	2.000	21968.	10.98	1.34	32.	22000.
USSR	77 615	4116N	12431W	27449.2	43823.7	14564.1	49.	3.000	32945.	10.98	1.45	55.	33000.
USSR	77 6 9	4229N	12454W	27604.9	43890.7	13953.6	87.	1.000	10980.	10.98	1.75	20.	11000.
USSR	78 617	4123N	12436W	27451.4	43830.8	14501.1	60.	2.000	21903.	10.95	1.23	97.	22000.
USSR	78 722	4114N	12429W	27446.7	43821.9	14583.3	82.	2.000	21864.	10.93	1.39	136.	22000.
USSR	78 730	4055N	12431W	27331.5	43790.7	14717.6	131.	2.417	26400.	10.92	1.45	0.	26400.
USSR	78 630	4102N	12430W	27406.5	43802.9	14659.5	82.	2.417	26400.	10.92	1.41	0.	26400.
USSR	77 725	4208N	12442W	27575.9	43878.4	14139.1	93.	2.417	26395.	10.92	1.34	5.	26400.
POLAND	78 611	4040N	12438W	27321.2	43759.4	14605.3	82.	2.417	26365.	10.91	1.34	35.	26400.
USSR	77 6 4	4233N	12450W	27621.8	43895.1	13925.8	93.	2.000	21791.	10.90	1.54	209.	22000.
USSR	79 626	4149N	12434W	27540.8	43863.4	14303.7	87.	1.417	15395.	10.87	1.72	5.	15400.
USSR	79 7 2	4105N	12439W	27400.4	43802.5	14627.6	98.	2.417	26216.	10.85	1.59	184.	26400.
USSR	79 712	4056N	12435W	27378.3	43790.0	14701.2	131.	3.167	34265.	10.82	1.61	55.	34320.
USSR	79 620	4120N	12440W	27434.6	43621.2	14503.2	71.	0.917	9900.	10.80	1.87	0.	9900.
USSR	73 630	4100N	12430W	27399.9	43799.6	14684.0	16.	3.667	39556.	10.79	1.43	44.	39600.
USSR	79 626	4258N	12510W	27641.0	43904.2	13703.6	109.	1.833	19768.	10.78	1.61	32.	19800.
USSR	78 7 8	4135N	12439W	27500.1	43848.4	14380.8	71.	2.000	21539.	10.77	1.45	461.	22000.
USSR	79 618	4057N	12437W	27378.3	43790.6	14689.5	109.	3.083	32975.	10.69	1.58	25.	33000.
POLAND	77 625	4220N	12452W	27537.0	43884.4	14028.6	77.	2.583	27500.	10.65	1.43	0.	27500.
USSR	79 720	4259N	12458W	27664.6	43908.5	13705.1	90.	2.500	26609.	10.64	1.85	11.	26620.
POLAND	77 7 8	4205N	12442W	27575.9	43878.4	14139.1	25.	2.833	29996.	10.59	1.43	804.	30800.
USSR	79 6 7	4115N	12439W	27448.0	43822.8	14573.7	82.	2.500	26400.	10.56	1.24	0.	26400.
POLAND	77 619	4253N	12507W	27635.6	43902.2	13746.4	87.	0.833	8800.	10.56	1.55	0.	8800.
POLAND	79 615	4110N	12440W	27401.0	43805.3	14572.0	63.	2.083	21991.	10.56	1.43	9.	22000.
USSR	77 716	4153N	12443W	27534.4	43863.3	14256.8	93.	0.833	8795.	10.55	1.47	6.	8800.
USSR	78 618	4122N	12441W	27449.3	43826.7	14498.4	82.	2.083	21986.	10.55	1.31	14.	22000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	77 719	4113N	12435W	27423.1	43812.6	14600.0	77.	2.083	21985.	10.55	1.52	15.	22000.
USSR	78 623	4046N	12437W	27342.4	43771.2	14766.6	82.	2.333	24614.	10.55	1.25	26.	24640.
POLAND	78 716	4206N	12441W	27572.7	43877.0	14156.6	82.	0.833	8722.	10.54	1.58	18.	8800.
USSR	79 614	4136N	12434W	27502.0	43848.9	14382.6	92.	2.500	26303.	10.52	1.63	97.	26400.
USSR	79 7 6	4154N	12457W	27511.5	43857.7	14226.1	146.	0.500	5255.	10.51	1.74	25.	5280.
POLAND	80 729	4152N	12442W	27533.6	43862.7	14266.3	98.	2.083	21824.	10.48	1.32	176.	22000.
USSR	78 7 5	4124N	12436W	27464.5	43832.1	14493.5	87.	1.667	17383.	10.43	1.43	217.	17600.
USSR	79 619	4102N	12448W	27376.5	43792.6	14629.3	104.	3.167	33000.	10.42	1.54	0.	33000.
USSR	79 615	4054N	12443W	27359.1	43782.0	14696.9	55.	3.167	32991.	10.42	1.41	9.	33000.
POLAND	79 614	4056N	12452W	27351.9	43780.3	14662.5	11.	4.750	49448.	10.41	1.54	52.	49500.
POLAND	79 622	4052N	12440W	27357.3	43780.2	14717.9	55.	3.167	32938.	10.40	1.34	62.	33000.
USSR	79 6 6	4106N	12430W	27419.4	43803.7	14640.4	27.	2.750	28586.	10.40	0.84	14.	28600.
USSR	77 730	4234N	12434W	27616.7	43894.3	13913.1	546.	2.083	21592.	10.36	1.59	408.	22000.
USSR	78 7 5	4139N	12444W	27493.6	43847.1	14363.9	93.	1.917	19796.	10.33	1.43	4.	19800.
USSR	79 622	4157N	12516W	27487.6	43852.1	14173.5	66.	1.500	15481.	10.32	1.63	7.	15488.
POLAND	79 7 1	4106N	12431W	27417.6	43803.7	14638.1	77.	1.500	15396.	10.26	1.67	4.	15400.
USSR	79 621	4137N	12446W	27464.3	43843.6	14375.5	109.	1.500	15382.	10.25	1.74	18.	15400.
POLAND	79 630	4251N	12458W	27647.4	43904.0	13770.6	87.	1.500	15369.	10.25	1.69	31.	15400.
USSR	78 624	4124N	12437W	27462.6	43831.6	14491.5	120.	1.917	19635.	10.24	1.33	165.	19800.
USSR	79 623	4139N	12442W	27497.3	43848.1	14367.5	131.	1.500	15356.	10.24	1.74	44.	15400.
USSR	79 624	4226N	12459W	27593.4	43886.0	13955.7	77.	2.667	27280.	10.23	1.80	0.	27280.
USSR	79 618	4059N	12450W	27364.1	43786.5	14646.0	82.	2.583	26400.	10.22	1.63	0.	26400.
USSR	79 722	4232N	12450W	27619.5	43894.4	13934.0	109.	1.500	15316.	10.21	1.45	64.	15400.
POLAND	79 616	4101N	12434W	27396.2	43799.0	14667.7	77.	2.583	26363.	10.20	1.47	37.	26400.
USSR	77 727	4227N	12451W	27605.8	43890.3	13973.4	82.	1.500	15297.	10.20	1.50	103.	15400.
POLAND	77 719	4152N	12452W	27515.0	43857.9	14249.7	44.	2.833	28647.	10.18	1.58	299.	29146.
USSR	79 7 4	4047N	12436W	27347.3	43773.6	14762.1	137.	2.917	29680.	10.18	1.58	20.	29700.
USSR	78 630	4056N	12434W	27350.0	43790.6	14703.5	14.	2.167	22000.	10.15	1.36	0.	22000.
POLAND	79 710	4223N	12448W	27601.9	43888.4	14009.6	77.	3.250	33000.	10.15	1.94	220.	33220.
USSR	79 630	4256N	12457W	27660.0	43907.1	13730.5	93.	2.167	21999.	10.15	1.69	1.	22000.
USSR	77 717	4144N	12444W	27507.7	43852.9	14325.3	82.	1.083	10991.	10.15	1.52	9.	11000.
USSR	77 6 4	4230N	12440W	27618.6	43893.7	13952.7	137.	1.083	10987.	10.14	1.39	13.	11000.
USSR	79 611	4140N	12440W	27593.9	43850.3	14363.5	87.	2.167	21970.	10.14	1.42	30.	22000.
USSR	78 7 5	4121N	12435W	27457.2	43828.6	14516.2	82.	1.083	10976.	10.13	1.25	24.	11000.
USSR	79 711	4046N	12455W	27325.7	43765.7	14715.3	142.	2.167	21866.	10.10	1.61	114.	22000.
USSR	78 7 7	4136N	12437W	27498.1	43847.0	14399.9		1.917	19350.	10.10	1.30	450.	19600.
POLAND	77 727	4229N	12449W	27614.3	43892.6	13959.6	71.	2.583	25992.	10.06	1.43	408.	26400.
USSR	77 716	4035N	12447W	27292.6	43744.4	14816.9	55.	1.667	16764.	10.06	1.58	836.	17600.
USSR	77 726	4123N	12436W	27461.4	43830.8	14501.1	120.	1.750	17598.	10.06	1.53	2.	17600.
USSR	78 618	4119N	12437W	27447.4	43824.7	14529.0	82.	1.750	17597.	10.06	1.26	3.	17600.
USSR	79 724	4042N	12440W	27324.8	43762.0	14786.8	109.	1.750	17587.	10.05	1.78	13.	17600.
POLAND	78 7 5	4136N	12428W	27515.7	43851.7	14417.0	55.	2.583	25890.	10.02	1.38	70.	25960.
USSR	79 711	4045N	12445W	27327.3	43764.7	14754.4	109.	3.333	33604.	10.02	1.89	36.	33440.
USSR	79 620	4130N	12457W	27445.3	43829.0	14407.7	55.	2.417	24191.	10.01	1.63	9.	24200.
POLAND	77 718	4149N	12445W	27519.7	43858.0	14284.7	55.	1.583	15842.	10.01	1.50	27.	15869.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 624	4227N	12500W	27589.2	43886.8	13962.5	98.	1.167	11653.	9.99	1.85	7.	11660.
POLAND	79 616	4104N	12436W	27399.0	43801.5	14637.1	85.	3.417	34039.	9.96	1.67	61.	34100.
USSR	79 617	4101N	12441W	27384.5	43794.9	14651.9	33.	4.417	43992.	9.96	1.59	8.	44000.
USSR	79 720	4259N	12452W	27664.6	43908.5	13705.1	93.	1.833	18260.	9.96	1.76	0.	18260.
USSR	79 8 9	4059N	12432W	27393.2	43796.8	14686.7	159.	2.250	22365.	9.94	1.74	31.	22396.
POLAND	80 7 4	4109N	12432W	27425.3	43812.8	14613.9	142.	3.583	35605.	9.94	1.45	255.	35860.
USSR	77 721	4233N	12453W	27516.2	43894.0	13922.4	68.	2.167	21486.	9.92	1.56	514.	22000.
USSR	77 8 8	4124N	12437W	27452.6	43831.6	14491.5	82.	1.750	17326.	9.90	1.50	274.	17600.
USSR	79 728	4105N	12432W	27412.6	43806.5	14643.2	104.	2.667	26400.	9.90	1.91	0.	26400.
USSR	79 623	4225N	12502W	27590.9	43884.5	13976.0	109.	2.667	26400.	9.90	1.78	0.	26400.
USSR	78 725	4036N	12441W	27310.4	43753.8	14811.5	66.	1.333	13199.	9.90	1.21	1.	13200.
USSR	78 624	4136N	12430W	27426.2	43845.5	14395.1	49.	2.000	19797.	9.90	1.36	3.	19800.
USSR	79 618	4056N	12432W	27333.4	43791.6	14708.1	44.	2.667	26390.	9.90	1.70	10.	26400.
USSR	79 616	4112N	12434W	27431.2	43816.2	14587.4	87.	2.333	23089.	9.90	1.61	11.	23100.
POLAND	79 6 7	4129N	12444W	27464.7	43834.5	14440.0	93.	1.333	13192.	9.89	1.61	8.	13200.
POLAND	79 612	4059N	12435W	27388.0	43795.1	14679.8	71.	3.333	32973.	9.89	1.50	27.	33000.
POLAND	79 7 8	4226N	12450W	27605.3	43890.0	13982.8	66.	2.667	26374.	9.89	1.74	26.	26400.
POLAND	79 725	4233N	12450W	27621.8	43895.1	13925.8	93.	3.250	32135.	9.89	1.78	865.	33000.
USSR	77 8 3	4232N	12448W	27623.3	43895.1	13936.3	87.	2.667	26365.	9.89	1.47	35.	26400.
POLAND	79 713	4224N	12449W	27602.4	43888.8	14000.2	98.	2.667	26365.	9.89	1.50	35.	26400.
POLAND	77 721	4143N	12440W	27512.4	43353.8	14340.2	49.	1.500	14822.	9.88	1.54	144.	14967.
USSR	78 620	4129N	12438W	27475.7	43837.7	14451.6	74.	2.667	26338.	9.88	1.41	62.	26400.
POLAND	78 7 5	4124N	12427W	27481.7	43837.0	14511.9	98.	1.333	13147.	9.86	1.32	53.	13200.
USSR	77 8 1	4223N	12450W	27598.1	43887.7	14007.0	536.	1.333	13147.	9.86	1.59	53.	13200.
POLAND	78 722	4139N	12440W	27501.0	43849.1	14371.2	66.	1.333	13136.	9.85	1.29	64.	13200.
USSR	79 7 7	4052N	12436W	27353.7	43782.5	14727.1	328.	2.250	22165.	9.85	1.63	55.	22220.
POLAND	80 7 1	4110N	12431W	27430.3	43814.9	14608.7	82.	0.333	3283.	9.85	1.43	17.	3300.
POLAND	78 6 9	4031N	12445W	27292.3	43737.5	14848.2	44.	1.333	13115.	9.84	1.52	85.	13200.
USSR	79 731	4054N	12433W	27375.1	43787.3	14720.0	82.	1.500	14735.	9.82	1.76	5.	14740.
USSR	79 731	4052N	12434W	27356.9	43783.7	14731.8	109.	2.917	28596.	9.80	1.85	4.	28600.
POLAND	79 619	4042N	12439W	27326.3	43762.6	14789.3	55.	2.333	22814.	9.78	1.50	66.	22880.
USSR	77 720	4210N	12439W	27596.9	43881.4	14127.4	50.	2.250	21995.	9.78	1.53	5.	22000.
USSR	78 617	4119N	12435W	27451.1	43825.6	14533.2	60.	2.250	21974.	9.77	1.28	26.	22000.
USSR	79 613	4119N	12430W	27460.4	43828.5	14543.7	66.	2.250	21945.	9.75	1.43	55.	22000.
POLAND	77 625	4222N	12452W	27591.9	43886.1	14012.6	55.	2.667	25960.	9.74	1.50	0.	25960.
USSR	79 719	4258N	12458W	27662.4	43907.9	13713.3	82.	1.583	15400.	9.73	1.80	0.	15400.
USSR	77 717	4134N	12440W	27486.6	43843.0	14409.6	109.	1.583	15400.	9.73	1.61	0.	15400.
USSR	78 720	4114N	12430W	27444.8	43821.4	14521.2	82.	2.167	21068.	9.72	1.47	932.	22000.
POLAND	80 7 2	4103N	12433W	27404.4	43802.8	14655.5	131.	2.917	28316.	9.71	1.41	64.	28380.
USSR	79 7 8	4043N	12438W	27331.1	43765.0	14784.8	82.	4.083	39529.	9.68	1.58	71.	39600.
USSR	79 623	4258N	12505W	27649.8	43905.6	13707.6	92.	1.250	12075.	9.66	1.58	25.	12100.
USSR	79 7 7	4052N	12435W	27365.3	43783.1	14729.5	328.	3.417	32991.	9.66	1.58	9.	33000.
POLAND	77 7 6	4159N	12440W	27548.2	43867.8	14238.1	38.	2.667	25740.	9.65	1.63	68.	25808.
USSR	79 617	4057N	12439W	27375.0	43789.4	14684.9	74.	3.417	32977.	9.65	1.52	23.	33000.
USSR	79 6 5	4043N	12438W	27331.1	43765.0	14784.8	131.	3.000	28895.	9.63	1.58	101.	28996.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE		APPROX LORAN-C PULSE RATES			FISHING			THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)	
	YYMMDD	LAT	LONG	9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					CATCH (LBS)
USSR	79 617	4100N	12434W	2733.0	43797.3	14674.9	66.	1.167	11220.	9.62	1.63	0.	11220.
USSR	79 726	4053N	12441W	27359.0	43781.4	14708.5	98.	1.833	17600.	9.60	1.94	0.	17600.
USSR	79 625	4207N	12443W	27571.4	43877.0	14145.6	66.	1.833	17598.	9.60	1.61	2.	17600.
POLAND	79 619	4043N	12438W	27331.1	43765.0	14784.8	46.	4.167	39971.	9.59	1.58	69.	40040.
USSR	79 721	4140N	12439W	27505.8	43350.3	14365.3	109.	0.917	8792.	9.59	1.83	8.	8800.
USSR	79 615	4101N	12430W	27403.2	43801.3	14676.8	55.	0.917	8792.	9.59	1.50	8.	8800.
POLAND	79 625	4235N	12505W	27643.4	43904.1	13731.9	109.	3.167	30347.	9.58	1.78	13.	30360.
POLAND	78 715	4150N	12505W	27487.2	43849.5	14243.7	98.	0.917	8783.	9.58	1.41	17.	8800.
USSR	79 622	4200N	12503W	27516.9	43861.2	14170.4	66.	0.917	8781.	9.58	1.63	19.	8800.
POLAND	78 714	4145N	12508W	27468.9	43842.3	14276.4	56.	0.917	8763.	9.58	1.39	37.	8800.
USSR	78 615	4233N	12509W	27587.4	43888.0	13904.4	66.	3.917	37400.	9.55	1.54	0.	37400.
POLAND	79 619	4046N	12434W	27347.1	43772.9	14773.8	34.	3.750	35756.	9.53	1.45	105.	35850.
USSR	79 627	4210N	12447W	27571.5	43878.0	14115.7	66.	1.500	14293.	9.53	1.58	7.	14300.
POLAND	78 724	4129N	12427W	27496.9	43843.6	14473.4	260.	4.167	39565.	9.50	1.34	35.	39600.
POLAND	79 612	4054N	12437W	27368.5	43785.4	14710.7	77.	3.917	37156.	9.49	1.61	24.	37180.
POLAND	79 725	4226N	12448W	27609.1	43890.8	13925.3	87.	1.000	9434.	9.43	2.05	246.	9680.
USSR	77 7 8	4115N	12432W	27444.2	43821.7	14569.4	49.	3.500	33000.	9.43	1.50	0.	33000.
USSR	78 615	4114N	12432W	27444.1	43820.3	14576.9	20.	1.167	11000.	9.43	1.32	0.	11000.
USSR	78 719	4201N	12444W	27553.9	43870.9	14192.0	87.	1.167	10998.	9.43	1.36	2.	11000.
USSR	78 724	4044N	12438W	27334.3	43766.9	14778.0	82.	1.167	10997.	9.43	1.24	3.	11000.
USSR	79 7 9	4051N	12437W	27358.8	43780.2	14731.8	87.	3.500	32987.	9.42	1.72	13.	33000.
USSR	78 625	4120N	12440W	27445.1	43824.5	14515.4	51.	2.333	21990.	9.42	1.52	10.	22000.
POLAND	78 716	4205N	12440W	27572.1	43876.5	14166.2	77.	1.167	10994.	9.42	1.35	6.	11000.
USSR	77 7 12	4229N	12452W	27608.7	43891.5	13955.0	82.	2.333	21872.	9.37	1.76	128.	22000.
USSR	79 6 4	4113N	12432W	27438.0	43818.8	14594.3	77.	2.583	24184.	9.36	1.21	16.	24200.
POLAND	79 620	4052N	12450W	27342.3	43774.5	14694.7	49.	2.333	21829.	9.36	1.49	17.1.	22000.
POLAND	77 613	4039N	12441W	27313.6	43755.7	14804.8	71.	1.667	15589.	9.35	1.21	33.	15622.
POLAND	80 730	4158N	12435W	27563.4	43872.1	14230.3	38.	1.167	10912.	9.35	1.30	88.	11000.
USSR	78 617	4127N	12439W	27467.9	43834.5	14464.8	82.	2.833	26400.	9.32	1.39	0.	26400.
USSR	79 7 4	4044N	12437W	27335.9	43767.5	14780.4	98.	2.833	26398.	9.32	1.58	2.	26400.
USSR	79 621	4131N	12437W	27433.5	43840.8	14438.3	109.	2.833	26361.	9.30	1.72	39.	26400.
USSR	79 7 3	4259N	12507W	27648.4	43905.7	13697.9	104.	1.417	13178.	9.30	1.69	22.	13200.
POLAND	77 613	4031N	12444W	27283.6	43738.1	14850.7	82.	3.667	33977.	9.27	1.28	123.	34100.
USSR	78 616	4120N	12421W	27481.3	43834.9	14555.1	57.	2.833	26255.	9.27	1.33	145.	26400.
POLAND	79 7 4	4101N	12432W	27399.7	43300.1	14672.2	120.	3.750	34693.	9.25	1.65	67.	34760.
USSR	79 627	4213N	12445W	27582.9	43881.5	14094.5	77.	3.333	30800.	9.24	1.61	0.	30300.
USSR	77 726	4232N	12452W	27615.7	43893.7	13931.7	98.	1.417	13044.	9.21	1.67	156.	13200.
USSR	79 622	4136N	12453W	27474.7	43841.3	14355.1	82.	3.583	32993.	9.21	1.56	7.	33000.
USSR	77 8 9	4231N	12450W	27617.2	43893.7	13942.1	82.	1.667	15326.	9.20	1.47	74.	15400.
USSR	79 630	4150N	12455W	27504.3	43854.3	14260.2	109.	1.917	17613.	9.19	1.65	53.	17666.
USSR	77 723	4207N	12441W	27575.3	43877.9	14148.6	41.	1.667	15306.	9.18	1.50	94.	15400.
USSR	78 615	4256N	12506W	27648.0	43905.5	13706.8	38.	2.167	19800.	9.14	1.43	0.	19800.
USSR	78 724	4030N	12441W	27310.4	43753.8	14811.5	82.	2.417	21989.	9.10	1.31	11.	22000.
USSR	77 8 6	4109N	12431W	27427.2	43813.3	14616.1	109.	2.417	21980.	9.10	1.58	20.	22000.
POLAND	77 730	4232N	12450W	27619.5	43894.4	13934.0	71.	3.000	27270.	9.09	1.50	1330.	28600.

140

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 612	4143N	12440W	27512.4	43053.8	14340.2	22.	2.417	21936.	9.08	1.61	64.	22000.
POLAND	79 730	4259N	12455W	27670.1	43509.4	13707.5	82.	1.667	15092.	9.06	1.67	308.	15400.
USSR	79 7 2	4103N	12437W	27397.5	43800.5	14646.5	98.	2.917	26385.	9.05	1.56	15.	26400.
USSR	77 727	4205N	12443W	27566.3	43275.2	14161.6	120.	2.417	21830.	9.03	1.64	171.	22000.
USSR	77 721	4230N	12452W	27611.0	43092.2	13947.9	87.	2.417	21778.	9.01	1.41	222.	22000.
USSR	77 726	4155N	12442W	27541.7	43065.8	14242.7	120.	3.667	32998.	9.00	1.67	2.	33000.
USSR	79 727	4040N	12436W	27350.6	43775.4	14755.1	115.	1.833	16481.	8.99	1.69	1119.	17600.
POLAND	77 731	4225N	12448W	27601.9	43888.4	14009.6	55.	2.333	20902.	8.96	1.56	7.	20909.
POLAND	79 6 6	4036N	12440W	27305.2	43750.4	14827.4	77.	2.083	18652.	8.95	1.47	48.	18700.
USSR	77 722	4127N	12435W	27475.3	43836.7	14472.8	120.	1.833	16385.	8.94	1.67	1216.	17600.
USSR	77 731	4238N	12437W	27664.3	43908.2	13714.1	32.	1.833	16375.	8.93	1.60	1225.	17600.
USSR	79 630	4214N	12452W	27572.2	43879.4	14076.7	82.	1.667	14384.	8.93	1.58	76.	14960.
POLAND	79 619	4043N	12440W	27328.1	43763.9	14780.0	49.	3.667	32692.	8.92	1.54	308.	33000.
USSR	79 6 9	4145N	12442W	27514.2	43055.1	14321.1	55.	2.333	20796.	8.91	1.39	104.	20900.
USSR	79 616	4103N	12431W	27414.4	43807.1	14645.4	82.	2.250	19999.	8.89	1.75	21.	20020.
USSR	79 712	4116N	12432W	27447.4	43823.2	14562.0	60.	2.000	17762.	8.88	1.67	58.	17820.
POLAND	79 713	4229N	12447W	27618.1	43893.4	13962.0	284.	1.500	13283.	8.86	1.72	137.	13420.
USSR	79 728	4232N	12451W	27617.6	43894.0	13932.8	93.	1.833	16220.	8.85	1.80	60.	16280.
POLAND	79 614	4127N	12427W	27486.9	43839.9	14484.8	154.	1.667	14735.	8.84	1.32	5.	14740.
POLAND	79 6 7	4040N	12456W	27297.0	43741.1	14762.1	66.	3.833	33872.	8.84	1.58	6.	33880.
POLAND	77 712	4220N	12452W	27587.9	43864.4	14028.6	66.	1.500	13202.	8.80	1.52	95.	13297.
USSR	79 629	4158N	12452W	27531.1	43864.2	14203.0	82.	1.000	8800.	8.80	1.61	0.	8800.
USSR	79 8 7	4252N	12503W	27640.5	43902.9	13758.0	98.	2.000	17600.	8.80	1.78	0.	17600.
USSR	77 713	4110N	12433W	27426.7	43813.7	14604.3	68.	1.250	11000.	8.80	1.45	0.	11000.
USSR	79 721	4259N	12504W	27653.7	43908.6	13700.3	82.	1.500	13200.	8.80	1.74	0.	13200.
USSR	77 7 5	4252N	12458W	27649.6	43904.0	13762.4	52.	3.250	28597.	8.80	1.34	3.	28600.
USSR	79 619	4103N	12451W	27374.9	43792.6	14615.6	27.	2.500	21997.	8.80	1.64	3.	22000.
USSR	79 713	4057N	12437W	27378.3	43790.6	14689.5	153.	2.000	17593.	8.80	1.66	7.	17600.
USSR	79 616	4110N	12431W	27430.3	43814.9	14608.7	82.	2.000	17592.	8.80	1.58	8.	17600.
USSR	79 726	4045N	12445W	27330.2	43765.9	14759.2	142.	3.750	32983.	8.80	1.63	17.	33000.
USSR	77 7 5	4258N	12455W	27663.7	43907.6	13732.2	66.	1.500	13189.	8.79	1.39	11.	13200.
USSR	78 725	4037N	12442W	27305.7	43751.2	14815.8	66.	1.500	13187.	8.79	1.21	13.	13200.
USSR	79 729	4051N	12432W	27366.9	43783.1	14743.6	77.	2.000	17579.	8.79	1.69	21.	17600.
USSR	79 7 3	4100N	12429W	27401.7	43800.2	14696.3	137.	3.000	26325.	8.77	1.56	75.	26400.
USSR	77 721	4229N	12502W	27590.4	43887.6	13944.2	55.	3.500	30665.	8.76	1.58	135.	30900.
POLAND	77 612	4043N	12443W	27323.8	43762.1	14772.8	98.	1.583	13860.	8.75	1.39	0.	13860.
USSR	79 614	4103N	12430W	27416.2	43007.7	14647.7	55.	2.583	22593.	8.75	1.53	67.	22660.
USSR	78 621	4125N	12439W	27461.9	43231.9	14400.0	85.	2.500	21605.	8.72	1.39	195.	22000.
USSR	77 7 5	4043N	12441W	27326.6	43763.3	14777.6	93.	2.333	20300.	8.70	1.80	2140.	22440.
USSR	79 617	4103N	12434W	27402.6	43802.2	14653.2	49.	2.583	22440.	8.69	1.64	0.	22440.
USSR	79 727	4157N	12443W	27545.2	43867.4	14225.3	159.	3.667	31837.	8.68	1.63	63.	31900.
POLAND	77 720	4148N	12448W	27511.4	43855.5	14287.4	44.	2.083	18040.	8.66	1.58	0.	18040.
USSR	79 710	4032N	12434W	27356.9	43783.7	14731.8	93.	1.833	15837.	8.64	1.76	3.	15840.
POLAND	79 628	4258N	12501W	27657.0	43907.0	13710.8	115.	4.917	42456.	8.64	1.76	4.	42460.
USSR	76 618	4119N	12440W	27442.0	43823.0	14522.8	63.	1.500	12947.	8.63	1.25	253.	13200.

141

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9K	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 7 4	4044N	12436W	27337.4	43768.1	14782.8	161.	1.833	15811.	8.62	1.74	29.	15840.
POLAND	77 6 2	4245N	12457W	27636.1	43900.6	13820.5	66.	3.833	33000.	8.61	1.72	0.	33000.
USSR	79 6 17	4057N	12440W	27373.4	43768.8	14682.6	109.	3.333	28584.	8.58	1.69	16.	28600.
USSR	77 7 22	4237N	12455W	27621.7	43896.1	13887.7	32.	3.083	26382.	8.56	1.56	18.	26400.
USSR	78 6 27	4034N	12442W	27235.9	43745.3	14835.8	38.	1.167	9900.	8.49	1.12	0.	9900.
USSR	78 7 5	4143N	12442W	27500.1	43849.3	14359.8	60.	2.333	19800.	8.49	1.34	0.	19800.
USSR	77 7 16	4102N	12430W	27406.5	43802.9	14669.5	60.	2.333	19760.	8.47	1.61	40.	19800.
POLAND	77 7 18	4157N	12457W	27519.5	43860.9	14202.9	33.	1.667	14080.	8.45	1.54	0.	14080.
POLAND	79 6 22	4102N	12441W	27337.6	43796.6	14644.8	107.	1.667	14065.	8.44	1.50	15.	14080.
POLAND	77 7 13	4113N	12436W	27430.7	43816.5	14575.7	16.	3.417	28821.	8.44	1.23	6.	28827.
USSR	79 6 10	4112N	12431W	27436.7	43817.9	14593.9	71.	2.083	17552.	8.42	1.47	48.	17600.
USSR	79 6 13	4143N	12441W	27518.1	43855.6	14322.8	55.	1.333	11220.	8.42	1.76	0.	11220.
USSR	79 7 11	4047N	12441W	27339.6	43770.7	14750.2	126.	2.667	22430.	8.41	1.80	10.	22440.
USSR	79 6 11	4131N	12439W	27479.7	43839.8	14434.5	68.	1.833	15404.	8.40	1.61	18.	15422.
POLAND	77 6 13	4051N	12435W	27362.0	43781.4	14736.5	82.	3.667	30800.	8.40	1.34	0.	30900.
USSR	78 7 27	4044N	12436W	27337.4	43768.1	14782.8	92.	1.833	15400.	8.40	1.23	0.	15400.
USSR	78 6 16	4110N	12434W	27443.7	43822.1	14557.7	82.	1.833	15400.	8.40	1.52	0.	15400.
USSR	78 6 17	4125N	12442W	27456.5	43830.3	14474.0	66.	1.833	15393.	8.40	1.32	7.	15400.
USSR	78 7 2	4110N	12431W	27430.3	43814.9	14608.7	93.	2.083	17473.	8.39	1.30	127.	17600.
USSR	77 7 10	4116N	12432W	27447.4	43823.2	14562.0	66.	1.833	15368.	8.38	1.58	32.	15400.
USSR	78 7 2	4116N	12430W	27451.1	43824.3	14566.2	120.	1.833	15344.	8.37	1.30	56.	15400.
POLAND	79 6 23	4045N	12438W	27347.4	43774.3	14750.4	115.	2.083	17367.	8.34	1.47	13.	17380.
POLAND	77 6 26	4124N	12440W	27457.1	43830.0	14485.5	27.	3.167	26395.	8.34	1.44	5.	26400.
USSR	79 6 27	4212N	12445W	27550.4	43880.6	14102.5	32.	1.583	13194.	8.33	1.50	6.	13200.
USSR	79 7 4	4056N	12432W	27393.4	43791.8	14708.1	55.	1.833	15256.	8.32	1.56	34.	15290.
POLAND	78 6 17	4119N	12430W	27460.4	43828.5	14543.7	66.	3.250	27030.	8.32	1.31	30.	27060.
USSR	78 6 25	4041N	12439W	27323.0	43760.7	14796.1	96.	1.667	13860.	8.32	1.25	0.	13860.
USSR	77 7 20	4233N	12448W	27637.2	43899.2	13887.1	82.	1.583	13115.	8.28	1.54	65.	13200.
USSR	79 6 22	4156N	12504W	27504.7	43856.6	14199.6	79.	1.333	11000.	8.25	1.58	0.	11090.
USSR	77 6 1	4233N	12455W	27612.5	43893.3	13920.1	82.	1.333	11000.	8.25	1.67	0.	11000.
USSR	78 6 20	4110N	12431W	27430.3	43814.9	14608.7	153.	2.667	22000.	8.25	1.43	0.	22000.
USSR	78 7 23	4035N	12444W	27299.8	43748.1	14817.6	32.	2.667	21988.	8.25	1.31	12.	22090.
POLAND	78 7 13	4143N	12508W	27463.5	43839.9	14291.3	87.	1.333	10994.	8.25	1.38	6.	11000.
USSR	79 6 17	4101N	12435W	27394.5	43793.4	14665.4	22.	4.000	32970.	8.24	1.52	30.	33000.
USSR	79 6 16	4103N	12434W	27402.6	43802.2	14653.2	44.	4.000	32959.	8.24	1.57	41.	33000.
USSR	79 6 10	4157N	12455W	27523.0	43861.6	14206.1	49.	2.667	21971.	8.24	1.54	29.	22090.
USSR	79 6 17	4103N	12437W	27397.5	43800.5	14646.5	98.	1.333	10984.	8.24	1.52	16.	11000.
POLAND	79 6 18	4032N	12439W	27313.2	43754.9	14816.4	52.	2.667	21954.	8.23	1.47	46.	22000.
USSR	79 6 8	4052N	12441W	27355.8	43779.6	14715.5	175.	2.333	19172.	8.22	1.74	12.	19184.
USSR	77 7 22	4032N	12450W	27279.3	43736.7	14829.3	55.	1.250	10249.	8.20	1.41	751.	11090.
POLAND	77 7 11	4152N	12441W	27535.5	43863.2	14268.0	33.	2.667	21767.	8.16	1.52	233.	22000.
USSR	79 6 20	4120N	12445W	27436.3	43821.7	14505.2	77.	1.000	8140.	8.14	1.85	0.	8140.
POLAND	79 6 11	4110N	12435W	27426.7	43813.7	14604.3	71.	2.333	18982.	8.13	1.43	158.	19140.
USSR	79 6 15	4119N	12437W	27447.4	43824.7	14529.0	27.	5.417	43984.	8.12	1.52	16.	44000.
USSR	77 6 11	4230N	12450W	27614.8	43893.0	13950.3	109.	1.083	8795.	8.12	1.58	5.	8800.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	79 625	4259N	12512W	27639.6	43904.1	13694.0	82.	2.167	17578.	8.11	1.54	22.	17600.
USSR	78 7 2	4115N	12436W	27436.9	43619.5	14560.9	137.	1.333	10809.	8.11	1.28	191.	11000.
USSR	78 628	4042N	12439W	27326.3	43762.6	14769.3	27.	2.583	20900.	8.09	1.28	0.	20900.
USSR	79 611	4136N	12440W	27492.4	43845.5	14394.3	82.	2.167	17521.	8.09	1.63	79.	17600.
USSR	79 613	4036N	12445W	27298.4	43747.5	14815.1	98.	2.750	22119.	9.04	0.66	13.	22132.
USSR	79 7 7	4053N	12441W	27359.0	43781.4	14706.5	142.	2.167	17391.	8.03	1.76	209.	17600.
USSR	79 611	4125N	12435W	27469.3	43834.0	14488.0	60.	4.500	36075.	8.02	1.47	5.	36080.
USSR	79 726	4039N	12441W	27313.6	43755.7	14804.8	109.	3.500	28050.	8.01	1.61	110.	28160.
POLAND	79 621	4044N	12436W	27334.3	43766.9	14778.0	44.	1.750	14002.	8.00	1.47	78.	14080.
POLAND	77 630	4139N	12439W	27502.9	43849.6	14373.0	55.	2.750	21993.	8.00	1.47	7.	22000.
USSR	79 711	4052N	12452W	27339.5	43773.4	14690.2	82.	2.750	21966.	7.99	1.62	54.	22000.
USSR	79 721	4137N	12436W	27499.1	43847.7	14390.3	82.	2.750	21960.	7.99	1.72	40.	22000.
USSR	79 813	4159N	12446W	27544.8	43868.0	14204.6	120.	2.750	21875.	7.95	1.60	125.	22000.
USSR	79 613	4156N	12451W	27552.9	43864.7	14204.6	55.	0.833	6600.	7.92	1.65	0.	6600.
USSR	77 730	4233N	12457W	27608.8	43892.5	13917.8	93.	1.667	13200.	7.92	1.58	0.	13200.
POLAND	77 8 3	4230N	12447W	27620.5	43394.1	13953.9	77.	1.667	13200.	7.92	1.34	0.	13200.
USSR	79 621	4133N	12442W	27420.0	43840.7	14413.5	44.	1.667	13195.	7.92	1.63	5.	13200.
USSR	79 614	4118N	12434W	27449.9	43824.9	14542.8	66.	4.167	32936.	7.92	1.43	14.	33000.
USSR	79 726	4052N	12435W	27355.3	43783.1	14729.5	66.	4.083	32319.	7.91	1.65	681.	33000.
USSR	79 710	4045N	12436W	27340.7	43769.9	14775.9	128.	0.833	6594.	7.91	1.61	6.	6600.
POLAND	79 726	4255N	12452W	27673.6	43909.7	13718.2	98.	0.833	6585.	7.90	1.74	15.	6600.
USSR	78 620	4119N	12436W	27445.6	43824.1	14527.0	164.	1.667	13128.	7.88	1.10	72.	13200.
USSR	77 731	4259N	12455W	27662.7	43908.2	13704.3	71.	1.667	13114.	7.87	1.59	86.	13200.
USSR	79 725	4054N	12440W	27363.8	43783.7	14703.8	109.	3.167	24860.	7.85	2.02	0.	24860.
USSR	77 715	4142N	12436W	27513.4	43853.6	14351.6	77.	3.333	26155.	7.85	1.58	245.	26400.
USSR	79 8 9	4058N	12432W	27399.9	43795.2	14693.8	180.	5.167	40521.	7.84	1.72	3.	40524.
POLAND	77 710	4201N	12440W	27561.6	43872.7	14198.2	38.	2.750	21527.	7.83	1.49	473.	22000.
USSR	79 6 7	4051N	12444W	27348.0	43776.2	14715.5	131.	2.167	16939.	7.82	1.80	1.	16940.
USSR	77 6 2	4233N	12449W	27623.7	43995.5	13927.0	33.	2.250	17585.	7.82	1.52	15.	17600.
POLAND	78 721	4147N	12456W	27494.4	43850.5	14281.5	27.	2.250	17582.	7.81	1.42	18.	17600.
USSR	79 617	4100N	12437W	27387.9	43795.6	14668.1	55.	2.250	17558.	7.80	1.65	42.	17600.
USSR	78 626	4042N	12436W	27327.8	43763.2	14791.7	71.	1.833	14300.	7.80	1.28	0.	14300.
POLAND	80 7 3	4119N	12435W	27451.1	43825.8	14533.2	137.	2.667	20793.	7.80	1.36	107.	20900.
USSR	79 720	4119N	12437W	27447.4	43824.7	14529.0	104.	2.250	17532.	7.79	1.61	68.	17600.
USSR	79 7 9	4250N	12450W	27614.8	43893.0	13950.3	131.	2.250	17491.	7.77	1.76	109.	17600.
USSR	79 712	4105N	12432W	27406.1	43803.4	14637.7	175.	4.250	32990.	7.76	1.85	10.	33000.
POLAND	79 624	4057N	12432W	27386.7	43793.5	14701.0	120.	3.567	27665.	7.76	1.56	55.	27720.
POLAND	77 731	4234N	12449W	27628.1	43896.2	13918.8	71.	1.417	10985.	7.75	1.54	15.	11000.
USSR	79 619	4103N	12447W	27361.1	43794.8	14624.4	56.	1.083	8360.	7.72	1.85	0.	8360.
USSR	78 7 5	4127N	12437W	27471.6	43835.6	14468.8		3.583	27625.	7.71	1.25	975.	28600.
USSR	79 7 2	4110N	12439W	27416.1	43810.5	14591.3	82.	3.417	26314.	7.70	1.63	86.	26400.
USSR	79 613	4202N	12452W	27541.6	43868.2	14171.7	56.	2.083	16043.	7.70	1.58	17.	16060.
USSR	79 625	4206N	12445W	27570.2	43877.0	14134.6	66.	2.000	15400.	7.70	1.61	0.	15400.
USSR	79 611	4140N	12441W	27502.0	43849.8	14361.6	82.	2.000	15393.	7.70	1.65	7.	15400.
POLAND	78 619	4121N	12427W	27472.4	43833.0	14534.8	66.	3.000	23079.	7.69	1.33	21.	23100.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	77 7 14	4142N	12439W	27511.5	43855.1	14349.8	109.	2.000	15383.	7.69	1.58	17.	15400.
USSR	79 6 28	4201N	12451W	27540.8	43867.7	14181.1	93.	0.917	7040.	7.68	1.41	0.	7040.
USSR	77 8 6	4232N	12450W	27619.5	43894.4	13934.0	87.	2.000	15359.	7.68	1.63	41.	15400.
POLAND	77 7 15	4119N	12435W	27454.8	43826.9	14537.4	44.	4.333	33222.	7.67	1.45	11.	33233.
USSR	79 8 15	4201N	12441W	27559.6	43872.3	14196.7	148.	2.583	19779.	7.66	1.34	21.	19800.
USSR	79 6 12	4121N	12436W	27455.4	43826.0	14516.1	60.	1.500	11440.	7.63	1.54	0.	11440.
USSR	79 8 14	4147N	12450W	27505.0	43853.4	14291.7	109.	1.500	11345.	7.56	1.50	95.	11440.
USSR	78 6 16	4237N	12306W	27598.3	43891.3	13873.7	109.	2.333	17600.	7.54	1.50	0.	17600.
USSR	78 6 15	4243N	12506W	27608.6	43894.2	13851.8	109.	1.750	13200.	7.54	1.34	0.	13200.
USSR	79 6 12	4157N	12446W	27539.5	43866.0	14220.4	71.	1.750	13199.	7.54	1.63	1.	13200.
USSR	78 6 26	4052N	12435W	27368.6	43784.3	14734.2	82.	2.333	17586.	7.54	1.52	14.	17600.
USSR	79 6 15	4103N	12432W	27406.1	43803.4	14657.7	44.	2.917	21972.	7.53	1.65	28.	22000.
USSR	79 6 10	4156N	12459W	27513.3	43858.9	14207.5	82.	1.167	8774.	7.52	1.67	25.	8600.
USSR	79 6 13	4117N	12435W	27448.6	43824.0	14552.4	82.	1.167	8767.	7.51	1.63	33.	8800.
POLAND	79 7 9	4229N	12450W	27612.4	43892.2	13953.4	79.	4.417	33152.	7.51	0.95	68.	33220.
USSR	79 7 4	4050N	12432W	27389.9	43795.2	14693.8	82.	3.000	22433.	7.48	1.54	7.	22440.
POLAND	79 7 7	4248N	12459W	27639.0	43901.8	13794.1	104.	1.000	7467.	7.47	1.76	13.	7480.
USSR	79 7 12	4050N	12439W	27352.4	43777.3	14734.1	164.	3.583	26620.	7.43	1.87	0.	26620.
USSR	78 7 6	4126N	12436W	27470.5	43834.8	14478.4	55.	2.583	19181.	7.42	1.28	5019.	24200.
USSR	79 7 10	4043N	12439W	27329.6	43764.5	14782.4	120.	2.833	20991.	7.41	1.61	129.	21120.
USSR	78 6 21	4132N	12437W	27486.4	43842.1	14430.7	66.	2.083	15400.	7.39	1.36	0.	15400.
USSR	78 7 25	4031N	12447W	27279.8	43736.4	14943.3	77.	2.083	15373.	7.38	1.21	28.	15400.
POLAND	79 7 10	4225N	12448W	27613.9	43892.3	13909.0	109.	4.833	35563.	7.36	1.85	77.	35640.
POLAND	77 6 21	4249N	12501W	27637.6	43901.8	13784.1	27.	3.000	22000.	7.33	1.40	0.	22000.
USSR	78 6 21	4119N	12431W	27458.6	43828.0	14541.6	93.	3.000	22000.	7.33	1.39	0.	22000.
POLAND	79 6 23	4056N	12436W	27376.7	43789.5	14698.9	109.	1.500	10981.	7.32	1.45	19.	11000.
POLAND	78 6 20	4125N	12428W	27482.8	43837.8	14502.2	60.	1.917	14027.	7.32	1.41	713.	14740.
USSR	77 7 22	4230N	12503W	27596.3	43889.1	13938.5	27.	3.000	21879.	7.29	1.65	121.	22000.
POLAND	79 6 30	4233N	12455W	27612.5	43893.3	13920.1	104.	3.083	22439.	7.28	1.78	1.	22440.
USSR	77 8 2	4234N	12446W	27628.0	43895.5	13919.9	98.	1.500	10896.	7.26	1.61	104.	11000.
USSR	79 8 7	4052N	12442W	27354.2	43779.1	14713.1	180.	2.167	15708.	7.25	1.78	0.	15708.
USSR	79 6 14	4104N	12432W	27409.4	43805.0	14650.5	38.	1.000	7237.	7.24	1.65	23.	7250.
POLAND	77 6 30	4259N	12512W	27639.6	43904.1	13694.0	60.	1.583	11440.	7.23	1.36	0.	11440.
POLAND	78 7 20	4154N	12507W	27494.4	43853.0	14210.1	44.	0.917	6600.	7.20	1.33	0.	6600.
USSR	79 6 19	4103N	12454W	27361.3	43786.0	14630.2	74.	2.750	19780.	7.19	1.61	20.	19800.
POLAND	77 6 28	4111N	12429W	27437.2	43817.5	14605.7	55.	3.000	21560.	7.19	1.36	4.	21564.
POLAND	79 6 20	4044N	12442W	27328.4	43764.0	14768.4	41.	4.083	29339.	7.19	1.47	141.	29480.
USSR	79 7 28	4047N	12435W	27348.8	43774.2	14764.5	164.	4.583	32925.	7.16	1.65	75.	33000.
USSR	79 7 11	4050N	12432W	27354.0	43777.8	14736.4	159.	3.000	21545.	7.18	1.89	15.	21560.
USSR	79 6 14	4123N	12438W	27457.8	43829.7	14497.0	38.	2.417	17353.	7.18	1.50	27.	17380.
USSR	79 8 14	4044N	12437W	27335.9	43767.5	14780.4	164.	3.750	26910.	7.18	0.64	18.	26926.
USSR	77 7 20	4115N	12430W	27451.1	43824.3	14566.2	44.	1.833	13155.	7.18	1.65	45.	13200.
USSR	79 8 15	4158N	12455W	27525.7	43862.8	14198.3	120.	2.833	20317.	7.17	1.54	11.	20328.
USSR	78 6 15	4242N	12507W	27611.4	43895.2	13834.8	95.	1.833	13121.	7.16	1.34	79.	13200.
USSR	79 7 23	4235N	12453W	27620.8	43895.4	13906.1	82.	2.000	14295.	7.15	1.85	5.	14300.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE		APPROX LORAN-C		PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
	YYMMDD	LAT	LONG	9X	SY	92	DEPTH (FMS)	HOURS TRAWLED						
POLAND	79 618	4030N	12432W	27323.4	43759.0	14833.7	44.	3.083	21985.	7.13	1.50	15.	22000.	
POLAND	77 716	4117N	12432W	27450.5	43824.6	14554.5	44.	2.500	17821.	7.13	1.36	6.	17827.	
USSR	79 611	4135N	12444W	27432.2	43842.2	14394.5	71.	2.167	15396.	7.11	1.63	4.	15400.	
POLAND	79 620	4035N	12442W	27299.2	43747.3	14829.2	16.	3.083	21864.	7.09	1.43	136.	22030.	
USSR	77 6 7	4113N	12431W	27439.8	43719.3	14566.5	82.	2.167	15255.	7.04	1.43	145.	15400.	
USSR	79 618	4050N	12446W	27341.8	43773.2	14717.7	38.	2.500	17589.	7.04	1.50	11.	17600.	
USSR	79 615	4203N	12442W	27563.0	43873.7	14179.1	148.	2.500	17570.	7.03	1.76	30.	17600.	
USSR	79 724	4257N	12452W	27675.7	43910.3	13709.9	109.	1.000	7000.	7.00	1.89	40.	7040.	
USSR	77 726	4237N	12453W	27626.3	43897.4	13871.4	71.	2.917	20399.	6.99	1.56	1601.	22000.	
USSR	77 714	4130N	12439W	27476.8	43836.5	14442.1	82.	2.833	19800.	6.99	1.50	0.	19800.	
USSR	79 711	4108N	12433W	27420.4	43810.7	14619.0	109.	3.750	26200.	6.99	1.76	200.	26400.	
POLAND	79 7 3	4108N	12436W	27306.2	43795.0	14665.8	115.	2.833	19785.	6.98	1.69	235.	20020.	
USSR	79 6 6	4112N	12429W	27440.4	43819.0	14592.2	60.	1.417	9882.	6.98	1.41	18.	9900.	
POLAND	79 621	4035N	12442W	27299.2	43747.3	14829.2	68.	3.250	22653.	6.97	1.30	7.	22660.	
USSR	77 713	4154N	12441W	27540.9	43863.3	14252.2	41.	4.867	32518.	6.97	1.39	482.	33000.	
USSR	78 627	4105N	12434W	27402.5	43802.2	14653.2	52.	1.583	11000.	6.95	1.36	0.	11000.	
POLAND	78 727	4210N	12444W	27592.3	43884.4	14071.6	301.	1.583	11000.	6.95	1.45	0.	11000.	
USSR	78 726	4206N	12442W	27570.8	43876.5	14155.1	120.	1.583	11000.	6.95	1.54	0.	11000.	
USSR	78 621	4120N	12436W	27470.5	43834.8	14478.4	66.	1.583	11000.	6.95	1.36	0.	11000.	
USSR	77 720	4202N	12449W	27547.1	43869.6	14176.3	93.	1.583	10998.	6.95	1.51	2.	11000.	
POLAND	78 7 2	4125N	12427W	27478.5	43835.7	14519.5	104.	1.583	10994.	6.94	1.33	6.	11000.	
USSR	79 7 8	4200N	12435W	27568.8	43874.1	14214.2	164.	3.167	21929.	6.92	1.72	72.	22000.	
USSR	79 6 8	4119N	12431W	27458.5	43828.0	14541.6	68.	3.167	21899.	6.92	1.39	101.	22000.	
POLAND	77 730	4230N	12449W	27616.7	43893.3	13951.5	32.	1.583	10947.	6.91	1.56	53.	11000.	
USSR	78 615	4244N	12508W	27614.1	43896.2	13817.8	98.	1.917	13200.	6.89	1.47	0.	13200.	
USSR	79 613	4205N	12450W	27553.0	43872.0	14151.0	44.	3.833	26400.	6.89	1.56	0.	26400.	
USSR	79 621	4120N	12442W	27455.4	43834.3	14451.4	82.	1.917	13200.	6.89	1.83	0.	13200.	
POLAND	79 619	4044N	12435W	27338.9	43768.7	14785.2	45.	4.333	29835.	6.88	1.58	85.	29920.	
POLAND	78 614	4109N	12430W	27429.0	43813.9	14618.3	104.	1.917	13186.	6.88	1.34	14.	13200.	
POLAND	80 7 3	4102N	12433W	27401.2	43801.2	14662.7	87.	1.917	13158.	6.87	1.52	42.	13200.	
USSR	77 725	4212N	12447W	27576.6	43879.7	14099.7	109.	1.917	13146.	6.86	1.63	54.	13200.	
USSR	79 612	4047N	12442W	27338.1	43770.1	14747.8	109.	4.250	29139.	6.86	1.12	253.	29392.	
POLAND	80 7 2	4105N	12445W	27393.8	43800.3	14613.8	109.	1.567	10738.	6.85	1.36	42.	10780.	
POLAND	79 7 7	4230N	12457W	27601.9	43890.3	13942.0	115.	1.917	13134.	6.85	1.80	65.	13200.	
USSR	79 616	4035N	12447W	27236.2	43740.4	14830.1	65.	2.250	15399.	6.84	1.47	1.	15400.	
USSR	79 729	4115N	12436W	27446.2	43823.8	14538.6	142.	1.667	11406.	6.84	1.61	34.	11440.	
POLAND	79 630	4252N	12446W	27672.1	43908.4	13773.2	142.	2.250	15382.	6.84	1.67	18.	15400.	
USSR	77 722	4233N	12454W	27614.3	43893.6	13921.2	68.	1.833	12517.	6.83	1.54	683.	13200.	
USSR	79 730	4117N	12430W	27454.2	43825.7	14558.7	154.	2.583	17524.	6.78	1.67	76.	17600.	
POLAND	79 620	4036N	12440W	27311.8	43754.3	14814.0	33.	3.500	23711.	6.77	1.58	49.	23760.	
USSR	79 7 5	4042N	12440W	27324.8	43762.0	14736.8	87.	4.000	26993.	6.75	1.80	67.	27060.	
USSR	78 630	4109N	12432W	27396.4	43798.5	14679.5	82.	4.083	27500.	6.73	1.28	0.	27500.	
POLAND	79 624	4057N	12431W	27388.4	43794.1	14703.3	93.	1.583	10525.	6.65	1.63	35.	10560.	
POLAND	77 7 7	4222N	12449W	27599.4	43887.7	14017.7	22.	5.167	34141.	6.61	1.46	5459.	39600.	
USSR	78 618	4125N	12442W	27456.5	43830.3	14474.0	71.	2.333	15400.	6.60	1.43	0.	15400.	

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	79 620	4131N	12451W	27458.3	43833.5	14411.5	55.	2.333	15400.	6.60	1.60	0.	15400.
USSR	79 616	4111N	12431W	27433.5	43816.4	14601.3	11.	2.667	17600.	6.60	1.56	0.	17600.
USSR	79 616	4104N	12440W	27395.6	43800.4	14632.6	71.	2.667	17596.	6.60	1.52	4.	17600.
USSR	78 724	4156N	12441W	27546.3	43867.3	14236.4	93.	3.333	21987.	6.60	1.47	13.	22000.
USSR	79 623	4226N	12503W	27586.2	43886.4	13950.9	109.	0.667	4397.	6.59	1.65	3.	4400.
USSR	79 621	4150N	12459W	27497.3	43852.4	14253.5	82.	2.000	13189.	6.59	1.58	11.	13200.
USSR	79 621	4132N	12441W	27479.0	43840.0	14423.0	44.	1.667	10989.	6.59	1.63	11.	11000.
USSR	79 617	4100N	12441W	27331.3	43793.3	14659.0	93.	2.000	13185.	6.59	1.65	15.	13200.
USSR	79 712	4051N	12437W	27358.8	43780.2	14731.8	186.	5.000	32954.	6.59	1.52	46.	33000.
USSR	77 726	4130N	12438W	27478.6	43839.0	14444.0	109.	1.000	6585.	6.58	1.57	15.	6600.
USSR	79 625	4200N	12500W	27522.1	43862.6	14175.0	82.	2.000	13165.	6.58	1.58	35.	13200.
USSR	77 720	4202N	12447W	27520.8	43870.5	14179.4	104.	1.333	8776.	6.58	1.58	24.	8800.
USSR	77 721	4048N	12436W	27350.6	43775.4	14755.1	55.	2.000	13157.	6.58	1.32	43.	13200.
POLAND	80 7 4	4127N	12435W	27475.3	43836.7	14472.9	120.	3.333	21923.	6.58	1.48	77.	22000.
USSR	79 615	4119N	12437W	27447.4	43824.7	14529.0	44.	2.333	15342.	6.58	0.52	58.	15400.
USSR	79 628	4242N	12504W	27616.7	43896.2	13837.8	131.	1.333	8763.	6.57	1.76	37.	8800.
USSR	79 620	4122N	12458W	27420.7	43817.6	14464.6	33.	0.667	4379.	6.57	1.58	21.	4400.
USSR	78 620	4125N	12437W	27465.6	43833.0	14484.0	55.	1.500	9814.	6.54	1.32	86.	9900.
POLAND	79 613	4115N	12439W	27431.6	43817.8	14554.6	48.	3.000	19597.	6.53	1.54	203.	19800.
USSR	79 614	4112N	12447W	27408.8	43808.9	14559.7	109.	1.000	6520.	6.52	1.73	80.	6600.
USSR	79 621	4127N	12441W	27454.3	43833.5	14460.9	93.	2.333	15147.	6.49	1.68	33.	15180.
USSR	78 724	4155W	12442W	27541.7	43865.8	14242.7	109.	4.417	28600.	6.48	1.47	0.	28600.
POLAND	80 727	4250N	12457W	27647.1	43903.7	13779.7	125.	1.333	8619.	6.46	1.69	181.	8800.
POLAND	77 713	4128N	12444W	27461.8	43833.2	14447.5	55.	1.333	8592.	6.44	1.39	208.	8200.
POLAND	77 7 9	4152N	12441W	27535.5	43863.2	14268.0	22.	3.250	20893.	6.43	1.39	2289.	23191.
POLAND	78 618	4112N	12429W	27440.4	43819.0	14598.2	55.	1.917	12319.	6.43	1.32	1.	12320.
USSR	77 714	4136N	12437W	27503.9	43849.4	14384.5	74.	1.667	10708.	6.42	1.54	292.	11000.
POLAND	77 714	4122N	12435W	27454.7	43826.3	14504.5	55.	2.167	13860.	6.40	1.36	180.	14040.
USSR	79 614	4122N	12437W	27456.6	43828.9	14506.6	55.	1.583	10120.	6.39	1.58	0.	10120.
POLAND	79 712	4223N	12449W	27600.0	43888.1	14008.3	246.	1.717	10971.	6.39	1.67	29.	11000.
USSR	78 613	4236N	12504W	27503.1	43892.1	13886.0	93.	2.417	15400.	6.37	1.52	0.	15400.
USSR	79 614	4117N	12429W	27456.1	43826.3	14560.8	71.	2.417	15383.	6.37	1.45	17.	15400.
USSR	79 714	4059N	12444W	27373.3	43789.9	14659.4	154.	1.833	11660.	6.36	1.74	0.	11660.
USSR	79 714	4256N	12452W	27662.4	43907.9	13713.3	104.	1.833	11655.	6.36	1.94	5.	11660.
USSR	78 626	4041N	12432W	27324.5	43761.3	14795.5	87.	4.500	28599.	6.36	1.30	1.	28600.
USSR	79 7 5	4047N	12436W	27347.3	43773.0	14762.1	131.	2.083	13187.	6.33	1.54	13.	13200.
POLAND	77 724	4222N	12503W	27571.9	43881.6	13998.6	22.	3.583	22649.	6.32	1.52	9282.	31931.
USSR	77 719	4056N	12431W	27391.6	43795.7	14696.1	87.	2.750	17323.	6.30	1.50	277.	17600.
USSR	79 6 8	4105N	12430W	27416.2	43807.7	14647.7	33.	1.750	11000.	6.29	0.84	0.	11000.
POLAND	78 726	4209N	12502W	27541.6	43870.5	14102.1	93.	1.750	11000.	6.29	1.36	0.	11000.
USSR	78 725	4037N	12443W	27304.3	43750.7	14813.3	44.	1.750	11000.	6.29	1.23	0.	11000.
USSR	77 718	4036N	12448W	27294.5	43745.8	14807.8	38.	1.750	10994.	6.28	1.50	6.	11000.
POLAND	79 621	4043N	12438W	27331.1	43765.0	14784.8	55.	3.500	21979.	6.28	1.24	21.	22000.
POLAND	79 611	4205N	12443W	27566.3	43875.2	14161.6	104.	2.000	12533.	6.27	1.72	7.	12540.
USSR	79 623	4157N	12518W	27464.5	43851.1	14170.5	77.	1.750	10958.	6.26	1.72	42.	11000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING			THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)				
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
POLAND	80 7 2	4115N	12434W	27440.6	43620.6	14565.2	109.	2.417	15107.	6.25	1.47	73.	15180.
USSR	77 725	4212N	12453W	27555.3	43877.2	14091.2	123.	1.750	10930.	6.25	1.61	70.	11000.
POLAND	80 730	4141N	12438W	27510.5	43852.5	14359.4	93.	4.000	24959.	6.24	1.34	1441.	26400.
USSR	78 630	4104N	12432W	27409.4	43805.0	14650.5	16.	1.583	9877.	6.24	1.32	23.	9900.
POLAND	79 627	4258N	12503W	27653.4	43906.4	13709.2	123.	1.633	11427.	6.23	1.65	13.	11440.
USSR	79 7 9	4037N	12443W	27304.3	43750.7	14813.3	120.	1.833	11411.	6.22	1.83	29.	11440.
POLAND	77 726	4037N	12441W	27313.6	43755.7	14804.8	82.	1.417	8800.	6.21	1.22	0.	8800.
USSR	78 618	4126N	12451W	27443.8	43826.8	14448.8	137.	4.250	26384.	6.21	1.36	17.	26400.
USSR	79 626	4217N	12449W	27535.3	43883.2	14056.7	60.	4.250	26380.	6.21	1.67	20.	26400.
POLAND	79 610	4059N	12432W	27393.2	43796.8	14686.7	60.	2.583	16033.	6.21	1.54	27.	16060.
POLAND	79 725	4250N	12456W	27648.9	43904.0	13760.6	109.	1.417	8786.	6.20	1.80	14.	8800.
POLAND	78 715	4151N	12505W	27489.9	43850.6	14236.1	66.	1.417	8763.	6.19	1.39	37.	8800.
USSR	77 612	4140N	12439W	27505.8	43850.8	14305.3	71.	1.417	8752.	6.19	1.56	48.	8800.
USSR	79 814	4212N	12448W	27574.7	43879.3	14098.2	131.	1.083	6674.	6.16	1.52	1026.	7700.
POLAND	77 623	4224N	12450W	27600.5	43888.4	13999.0	44.	1.250	7700.	6.16	1.36	0.	7700.
POLAND	79 6 9	4035N	12449W	27290.1	43743.3	14812.0	77.	2.500	15395.	6.16	1.39	5.	15400.
POLAND	77 714	4125N	12430W	27467.5	43833.5	14486.0	60.	2.500	15383.	6.15	1.41	17.	15400.
USSR	79 615	4052N	12445W	27349.7	43777.4	14706.2	71.	2.500	15380.	6.15	1.36	20.	15400.
USSR	77 714	4130N	12439W	27476.8	43838.5	14442.1	109.	2.500	15372.	6.15	1.50	28.	15400.
USSR	77 8 2	4105N	12431W	27414.4	43807.1	14645.4	101.	2.500	15311.	6.12	1.61	89.	15400.
USSR	78 7 4	4125N	12436W	27467.5	43833.5	14486.0		1.417	8646.	6.10	1.55	154.	8800.
POLAND	77 710	4157N	12438W	27554.8	43869.7	14233.4	44.	4.083	24850.	6.09	1.47	707.	25557.
POLAND	80 719	4255N	12457W	27657.9	43906.6	13738.7	77.	1.083	6582.	6.08	1.50	18.	6600.
USSR	78 726	4216N	12450W	27555.8	43876.7	14111.4	82.	1.833	11000.	6.00	1.54	0.	11000.
USSR	77 728	4035N	12449W	27290.1	43743.3	14812.0	120.	1.833	11000.	6.00	1.36	0.	11000.
POLAND	77 7 9	4205N	12441W	27564.9	43874.2	14180.7	27.	1.833	10997.	6.00	1.65	3.	11000.
POLAND	78 7 3	4124N	12428W	27479.7	43836.5	14509.8	101.	1.833	10989.	5.99	1.36	11.	11000.
USSR	79 724	4155N	12442W	27541.7	43865.8	14242.7	93.	1.833	10980.	5.99	1.74	20.	11000.
POLAND	79 622	4054N	12442W	27360.6	43782.6	14699.2	87.	5.500	32892.	5.98	1.51	108.	33000.
POLAND	77 710	4153N	12440W	27540.1	43864.7	14261.8	55.	2.583	15402.	5.96	1.45	71.	15473.
POLAND	80 7 2	4105N	12433W	27404.4	43802.8	14655.5	82.	2.917	17354.	5.95	1.50	26.	17380.
USSR	79 712	4104N	12435W	27407.6	43804.4	14648.2	153.	4.417	26256.	5.95	1.61	142.	26400.
POLAND	80 7 2	4115N	12433W	27442.4	43821.2	14567.3	93.	2.583	15356.	5.94	1.52	44.	15400.
USSR	79 6 8	4123N	12437W	27459.6	43830.2	14499.0	109.	2.583	15350.	5.94	1.62	50.	15400.
USSR	79 611	4040N	12440W	27318.3	43758.2	14800.4	104.	2.333	13860.	5.94	0.79	0.	13860.
USSR	79 615	4102N	12432W	27402.9	43801.7	14665.0	77.	2.333	13833.	5.93	1.63	28.	13860.
USSR	77 720	4056N	12433W	27388.2	43794.6	14691.5	27.	2.250	13200.	5.87	1.58	0.	13200.
POLAND	77 717	4140N	12440W	27520.8	43857.2	14316.8	49.	2.250	13200.	5.87	1.52	0.	13200.
USSR	77 719	4206N	12446W	27563.1	43874.8	14149.1	77.	1.500	8785.	5.86	1.39	15.	8800.
USSR	78 723	4046N	12435W	27345.5	43772.4	14771.4	87.	1.500	8785.	5.86	1.25	15.	8800.
USSR	79 725	4201N	12441W	27559.6	43872.3	14195.7	87.	2.250	13175.	5.86	1.72	25.	13200.
USSR	79 7 8	4205N	12443W	27586.3	43875.2	14181.6	93.	1.500	8780.	5.85	1.24	20.	8800.
POLAND	77 7 9	4205N	12441W	27570.1	43876.1	14164.7	27.	3.000	17556.	5.85	1.52	42.	17600.
POLAND	77 630	4151N	12445W	27525.2	43860.2	14269.1	22.	3.000	17542.	5.85	1.39	58.	17600.
USSR	79 613	4159N	12440W	27544.8	43866.0	14204.6	71.	0.750	4571.	5.83	1.78	29.	4400.

147

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
POLAND	79 7 4	4043N	12433W	27331.1	43765.0	14764.8	137.	5.917	34452.	5.82	1.58	748.	35200.
USSR	79 617	4111N	12433W	27429.9	43215.2	14597.0	55.	1.833	10668.	5.82	1.58	112.	10780.
POLAND	79 713	4229N	12450W	27612.4	43892.2	13958.4	246.	3.450	19974.	5.79	1.69	46.	20020.
USSR	78 725	4052N	12434W	27366.9	43783.7	14731.8	82.	1.917	11000.	5.74	1.26	0.	11000.
USSR	79 627	4214N	12447W	27581.5	43881.5	14083.6	60.	1.917	11000.	5.74	1.61	0.	11000.
POLAND	79 610	4047N	12435W	27348.8	43774.2	14764.5	118.	2.667	15298.	5.74	1.39	102.	15400.
POLAND	79 610	4059N	12436W	27336.4	43794.5	14677.5	79.	4.563	26272.	5.73	1.39	128.	26400.
USSR	78 624	4046N	12436W	27350.5	43775.4	14755.1	98.	2.500	14300.	5.72	1.25	0.	14300.
USSR	79 7 4	4053N	12433W	27371.8	43766.0	14727.1	175.	3.083	17583.	5.70	1.56	17.	17600.
USSR	79 710	4050N	12435W	27358.7	43779.6	14743.5	131.	2.500	14254.	5.70	1.63	46.	14300.
USSR	77 628	4239N	12450W	27635.7	43899.2	13875.7	383.	2.317	13197.	5.70	1.74	3.	13200.
USSR	79 724	4031N	12440W	27278.6	43735.8	14640.8	39.	4.000	22770.	5.69	1.78	110.	22880.
USSR	78 7 4	4125N	12437W	27455.6	43033.0	14484.0	77.	1.917	10894.	5.68	1.25	546.	11440.
POLAND	77 629	4217N	12446W	27567.2	43883.6	14058.1	60.	2.333	13201.	5.66	1.54	39.	13240.
USSR	77 0 9	4229N	12450W	27612.4	43892.2	13958.4	109.	1.167	6600.	5.66	1.65	0.	6600.
POLAND	77 0 7	4052N	12440W	27357.3	43780.2	14717.8	98.	1.167	6600.	5.66	1.30	0.	6600.
USSR	77 0 10	4231N	12450W	27617.2	43893.7	13942.1	93.	1.167	6600.	5.66	1.55	0.	6600.
POLAND	77 710	4207N	12442W	27573.4	43877.4	14147.1	38.	2.333	13190.	5.65	1.57	10.	13200.
USSR	77 7 9	4057N	12433W	27384.9	43792.9	14698.7	74.	4.667	26309.	5.64	1.52	91.	26400.
USSR	79 723	4239N	12455W	27670.1	43909.4	13707.5	109.	1.833	10326.	5.63	1.91	14.	10340.
POLAND	77 730	4225N	12447W	27608.6	43890.4	13994.6	33.	1.500	8427.	5.62	1.54	1473.	9900.
USSR	79 022	4155N	12450W	27512.4	43853.3	14216.8	27.	3.917	21978.	5.61	1.72	22.	22000.
USSR	79 012	4155N	12444W	27537.9	43864.9	14239.4	77.	4.000	22419.	5.60	1.56	21.	22440.
USSR	79 7 3	4057N	12430W	27390.1	43794.6	14705.6	137.	3.917	21940.	5.60	1.56	60.	22000.
USSR	79 624	4223N	12501W	27577.9	43863.2	13993.1	38.	2.750	15391.	5.60	1.74	9.	15400.
POLAND	79 612	4103N	12437W	27397.5	43800.5	14646.5	77.	3.250	18168.	5.59	1.52	92.	18260.
USSR	77 728	4033N	12449W	27283.7	43739.3	14825.2	120.	1.583	8600.	5.56	1.36	0.	8800.
USSR	79 722	4233N	12450W	27621.8	43895.1	13925.8	109.	1.583	8795.	5.55	1.54	5.	8800.
POLAND	79 812	4203N	12443W	27561.0	43873.3	14177.6	118.	3.917	21754.	5.55	1.71	26.	21780.
USSR	79 7 4	4155N	12450W	27512.4	43856.3	14216.8	115.	4.083	22660.	5.55	1.91	0.	22660.
USSR	79 627	4259N	12506W	27650.1	43908.0	13698.7	109.	1.583	8785.	5.55	1.69	15.	8800.
USSR	77 714	4139N	12441W	27499.2	43848.6	14369.4	27.	2.083	11554.	5.55	1.43	1646.	13200.
USSR	78 7 3	4121N	12500W	27414.6	43815.1	14467.9		1.583	8768.	5.54	1.32	32.	8800.
USSR	77 710	4207N	12442W	27573.4	43877.4	14147.1	49.	3.167	17506.	5.53	1.50	94.	17600.
USSR	79 014	4211N	12446W	27575.9	43879.3	14109.1	148.	2.500	13808.	5.52	1.55	52.	13860.
USSR	79 619	4059N	12451W	27362.6	43786.0	14643.8	77.	2.917	16060.	5.51	1.69	0.	16060.
POLAND	77 715	4141N	12440W	27506.7	43851.5	14355.7	44.	3.000	16501.	5.50	1.45	54.	16555.
POLAND	77 0 4	4251N	12455W	27653.0	43904.9	13773.3	82.	4.000	22000.	5.50	1.61	0.	22000.
POLAND	77 618	4253N	12456W	27655.4	43905.8	13756.0	77.	4.000	22000.	5.50	1.46	0.	22000.
USSR	78 626	4116N	12434W	27443.7	43822.1	14557.7	52.	2.000	10997.	5.50	1.48	3.	11000.
USSR	79 720	4120N	12430W	27452.3	43826.6	14523.6	104.	2.000	10996.	5.50	1.45	4.	11000.
POLAND	79 626	4257N	12505W	27647.7	43905.2	13715.7	118.	1.833	10074.	5.49	1.67	46.	10120.
USSR	77 011	4230N	12449W	27523.7	43895.5	13927.0	104.	2.000	10975.	5.49	1.50	25.	11000.
USSR	79 626	4259N	12459W	27662.7	43906.2	13704.3	82.	4.000	21949.	5.49	1.65	51.	22000.
USSR	78 627	4123N	12437W	27459.6	43830.2	14499.0	43.	2.000	10958.	5.48	1.35	42.	11000.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPRX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	79 725	4241N	12500W	27621.6	43897.0	13849.9	66.	2.000	10955.	5.48	1.72	45.	11000.
USSR	79 616	4107N	12431W	27420.8	43610.2	14630.8	55.	2.000	10941.	5.47	1.65	59.	11000.
POLAND	79 7 8	4225N	12452W	27599.1	43888.4	13968.4	66.	2.000	10930.	5.46	1.76	70.	11000.
USSR	79 726	4056N	12440W	27370.2	43787.1	14689.7	104.	2.500	13640.	5.46	1.83	0.	13640.
USSR	78 620	4031N	12451W	27275.0	43734.1	14833.4	126.	2.833	15400.	5.44	1.36	0.	15400.
USSR	79 7 9	4043N	12440W	27328.1	43763.9	14760.0	66.	4.250	23100.	5.44	1.82	0.	23100.
USSR	79 615	4101N	12430W	27403.2	43801.3	14676.8	44.	1.667	9020.	5.41	1.63	0.	9020.
USSR	79 615	4124N	12439W	27458.9	43630.5	14487.5	77.	2.833	15304.	5.40	1.43	96.	15400.
USSR	79 7 3	4139N	12455W	27474.1	43841.5	14344.0	93.	3.250	17532.	5.39	1.67	68.	17600.
USSR	79 618	4057N	12449W	27359.4	43783.7	14662.3	27.	4.083	22000.	5.39	1.58	0.	22000.
POLAND	79 7 5	4051N	12436W	27360.4	43760.8	14734.2	109.	2.917	15677.	5.38	1.56	163.	15840.
USSR	78 619	4118N	12434W	27443.7	43822.1	14557.7	55.	2.667	14300.	5.36	1.41	0.	14300.
POLAND	77 725	4159N	12450W	27537.4	43866.2	14198.3	22.	2.417	12803.	5.30	1.56	225.	13028.
POLAND	78 726	4129N	12435W	27481.3	43839.3	14457.5	383.	4.150	21974.	5.29	1.39	26.	22000.
USSR	79 625	4144N	12443W	27509.6	43853.4	14327.1	66.	0.833	4400.	5.28	1.63	0.	4400.
USSR	78 621	4127N	12437W	27471.6	43835.6	14468.8	55.	2.083	11000.	5.28	1.36	0.	11000.
POLAND	78 715	4140N	12512W	27450.6	43834.6	14308.5	82.	1.667	8797.	5.28	1.34	3.	8800.
USSR	79 813	4044N	12443W	27327.0	43764.0	14766.0	137.	2.083	10996.	5.28	0.97	26.	11022.
POLAND	78 719	4207N	12440W	27577.3	43878.3	14150.1	27.	3.333	17590.	5.28	1.40	10.	17600.
USSR	78 623	4047N	12436W	27347.3	43773.6	14762.1	98.	4.667	24605.	5.27	1.19	35.	24640.
USSR	79 726	4232N	12451W	27617.6	43894.0	13932.8	66.	1.250	6591.	5.27	2.00	9.	6600.
USSR	77 719	4052N	12433W	27368.6	43784.3	14734.2	55.	1.250	6590.	5.27	1.58	10.	6600.
USSR	79 614	4212N	12447W	27576.6	43379.7	14099.7	142.	1.250	6589.	5.27	1.74	11.	6600.
USSR	77 721	4231N	12456W	27606.0	43891.4	13935.1	55.	2.500	13173.	5.27	1.58	27.	13200.
POLAND	80 7 3	4194N	12436W	27402.4	43802.7	14641.5	137.	3.167	16624.	5.25	1.52	206.	16830.
USSR	79 6 9	4111N	12431W	27433.5	43816.4	14691.3	191.	4.250	22305.	5.25	1.65	25.	22330.
POLAND	77 729	4235N	12457W	27613.4	43893.9	13901.7	71.	5.000	26230.	5.25	1.43	170.	26400.
USSR	77 6 8	4230N	12450W	27614.8	43893.0	13950.3	96.	2.500	13082.	5.23	1.58	118.	13200.
USSR	79 314	4202N	12447W	27550.8	43870.5	14179.4	109.	2.083	10892.	5.23	1.82	108.	11000.
POLAND	80 7 4	4105N	12432W	27412.6	43806.5	14643.2	93.	3.333	17422.	5.23	1.43	178.	17600.
POLAND	79 7 3	4051N	12434W	27363.6	43781.9	14738.9	109.	6.000	31240.	5.21	1.76	0.	31240.
USSR	77 722	4232N	12454W	27612.0	43892.9	13929.4	41.	2.500	12997.	5.20	1.52	203.	13200.
USSR	79 622	4154N	12505W	27496.1	43853.5	14211.7	66.	0.833	4332.	5.20	1.69	68.	4400.
USSR	79 7 5	4153N	12453W	27515.9	43858.5	14240.3	131.	3.000	15580.	5.19	1.74	40.	15620.
POLAND	78 726	4141N	12456W	27514.4	43853.5	14363.0	301.	5.933	30786.	5.19	1.39	14.	30800.
POLAND	79 620	4044N	12442W	27328.4	43764.6	14758.4	71.	4.250	21956.	5.17	1.45	264.	22220.
USSR	79 731	4049N	12435W	27342.2	43770.5	14778.3	104.	1.750	9013.	5.15	1.78	7.	9020.
POLAND	80 729	4144N	12441W	27513.3	43854.4	14330.5	126.	3.417	17578.	5.14	1.30	22.	17600.
USSR	77 6 7	4256N	12454W	27665.6	43908.1	13733.0	142.	4.250	21836.	5.14	1.53	164.	22000.
USSR	79 729	4102N	12431W	27494.7	43802.3	14667.3	120.	3.000	15400.	5.13	1.89	0.	15400.
USSR	77 711	4149N	12442W	27525.3	43859.5	14289.9	44.	3.000	15385.	5.13	1.41	15.	15400.
USSR	79 626	4259N	12508W	27658.1	43906.0	13698.7	109.	3.000	15385.	5.13	1.61	15.	15400.
USSR	78 629	4057N	12431W	27368.4	43794.1	14703.3	11.	3.000	15369.	5.12	1.25	1131.	16500.
POLAND	77 714	4130N	12438W	27478.6	43839.0	14444.0	55.	1.250	6396.	5.12	1.59	204.	6600.
POLAND	79 626	4251N	12500W	27643.8	43903.3	13766.8	82.	5.833	29841.	5.12	1.65	79.	29920.

149

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
POLAND	77 8 2	4234N	12455W	27514.8	43894.0	13912.0	16.	3.417	17448.	5.11	1.62	152.	17600.
POLAND	79 617	4051N	12436W	27360.4	43780.8	14734.2	55.	4.000	20355.	5.09	1.67	105.	20460.
USSR	77 719	4209N	12443W	27576.6	43878.8	14129.5	82.	2.167	10991.	5.07	1.50	9.	11000.
USSR	79 621	4130N	12443W	27469.5	43836.4	14434.3	44.	2.167	10989.	5.07	1.61	11.	11000.
POLAND	78 613	4102N	12429W	27408.2	43803.5	14671.8	96.	2.083	10560.	5.07	1.38	0.	10560.
POLAND	80 7 3	4117N	12432W	27450.5	43824.6	14554.5	82.	2.167	10982.	5.07	1.45	18.	11000.
POLAND	79 6 8	4037N	12448W	27297.7	43747.8	14801.2	87.	2.167	10962.	5.06	1.41	38.	11000.
USSR	78 629	4053N	12441W	27359.0	43781.4	14708.5	43.	2.167	10954.	5.06	1.20	46.	11000.
USSR	79 613	4203N	12449W	27558.9	43871.8	14206.2	93.	1.633	9240.	5.04	1.69	0.	9240.
USSR	78 621	4120N	12435W	27454.2	43827.2	14525.7	57.	1.250	6291.	5.03	1.29	309.	6600.
USSR	77 719	4225N	12500W	27536.9	43886.1	13970.5	55.	2.083	10473.	5.03	1.54	527.	11000.
USSR	79 727	4259N	12455W	27670.1	43909.4	13707.5	115.	1.167	5856.	5.02	1.67	84.	5940.
POLAND	80 7 3	4110N	12432W	27428.5	43814.3	14606.5	109.	3.667	18392.	5.02	1.39	88.	18480.
USSR	78 7 6	4118N	12435W	27448.0	43824.4	14540.7	93.	1.750	8770.	5.01	1.30	30.	8800.
USSR	79 811	4147N	12443W	27417.9	43856.6	14303.8	126.	1.750	8736.	4.99	1.63	64.	8800.
USSR	79 617	4112N	12430W	27438.5	43818.4	14596.1	38.	3.667	18246.	4.98	1.56	14.	18260.
USSR	78 618	4126N	12441W	27461.3	43832.1	14468.4	60.	2.667	13200.	4.95	1.47	0.	13200.
USSR	79 713	4058N	12432W	27389.9	43795.2	14693.8	301.	2.750	13600.	4.95	1.56	40.	13640.
USSR	77 8 5	4232N	12446W	27623.3	43895.1	13936.3	98.	1.333	6591.	4.94	1.56	9.	6600.
USSR	79 627	4259N	12504W	27653.7	43906.6	13700.3	109.	1.333	6587.	4.94	1.72	13.	6600.
USSR	79 620	4131N	12458W	27446.5	43829.8	14398.4	55.	2.000	9874.	4.94	1.64	26.	9900.
USSR	79 814	4044N	12439W	27332.9	43766.3	14775.6	126.	2.167	10670.	4.92	0.73	0.	10670.
USSR	79 7 5	4055N	12436W	27373.4	43787.7	14706.0	126.	2.417	11899.	4.92	1.38	1301.	13200.
USSR	79 712	4105N	12432W	27412.6	43806.5	14643.2	492.	2.583	12683.	4.91	1.54	517.	13200.
POLAND	78 725	4214N	12445W	27585.4	43882.3	14085.4	27.	2.250	10986.	4.88	1.37	14.	11000.
POLAND	77 717	4201N	12440W	27561.6	43872.7	14198.2	44.	2.750	13422.	4.88	1.52	33.	13455.
USSR	79 315	4200N	12447W	27545.6	43859.6	14195.2	120.	3.083	14981.	4.86	1.61	89.	15070.
POLAND	73 7 2	4117N	12426W	27456.0	43826.8	14563.0	49.	1.000	4833.	4.83	1.35	7.	4840.
USSR	79 618	4039N	12440W	27315.0	43756.3	14807.2	55.	3.000	14451.	4.82	1.58	69.	14520.
POLAND	77 629	4219N	12443W	27592.1	43885.3	14042.0	82.	1.417	6820.	4.81	1.50	13.	6833.
POLAND	79 617	4048N	12442W	27341.4	43771.9	14740.9	77.	2.917	14020.	4.81	1.52	280.	14300.
POLAND	77 721	4129N	12440W	27472.0	43836.6	14447.7	87.	4.583	22000.	4.80	1.40	0.	22000.
USSR	79 614	4115N	12443W	27424.6	43815.6	14546.2	68.	2.500	11992.	4.80	1.39	108.	12100.
POLAND	80 7 1	4113N	12430W	27441.7	43819.9	14588.6	71.	1.833	8770.	4.78	1.36	30.	8800.
USSR	77 718	4129N	12437W	27477.5	43836.2	14453.6	19.	2.300	10969.	4.77	1.56	31.	11000.
USSR	79 625	4254N	12500W	27650.3	43905.1	13744.3	30.	1.833	8742.	4.77	1.72	58.	8800.
USSR	79 617	4111N	12431W	27433.5	43816.4	14601.3	27.	5.083	24165.	4.75	1.41	35.	24200.
USSR	77 8 5	4234N	12450W	27624.2	43895.8	13917.7	87.	1.833	8697.	4.74	1.53	103.	8800.
USSR	79 613	4156N	12444W	27540.6	43865.9	14231.5	82.	3.250	15400.	4.74	1.56	0.	15400.
POLAND	79 6 9	4140N	12446W	27492.8	43847.3	14352.6	109.	4.167	19702.	4.73	1.54	98.	19800.
USSR	79 622	4153N	12501W	27501.9	43854.7	14227.3	44.	2.333	11000.	4.71	1.58	0.	11000.
POLAND	78 721	4146N	12457W	27490.0	43848.8	14287.4	66.	2.333	10993.	4.71	1.37	7.	11000.
USSR	79 616	4112N	12434W	27431.2	43816.2	14587.4	71.	2.333	10993.	4.71	1.50	7.	11000.
POLAND	77 712	4141N	12441W	27504.9	43851.0	14353.9	27.	4.667	21978.	4.71	1.43	22.	22000.
POLAND	77 614	4054N	12434W	27373.5	43787.2	14717.7	109.	3.083	14518.	4.71	1.30	2.	14520.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
POLAND	80 7 5	4230N	12450W	27614.8	43693.0	13950.3	120.	2.333	10985.	4.71	1.41	15.	11000.
USSR	77 722	4219N	12446W	27592.1	43685.3	14042.0	301.	2.333	10962.	4.70	1.57	38.	11000.
USSR	79 613	4202N	12452W	27541.6	43666.2	14171.7	87.	1.417	6600.	4.66	1.61	0.	6600.
POLAND	77 6 2	4242N	12457W	27629.4	43698.7	13844.9	71.	2.333	10869.	4.66	1.51	131.	11000.
USSR	79 7 5	4045N	12437W	27342.4	43771.2	14766.6	82.	3.917	18234.	4.66	1.58	26.	18260.
POLAND	79 7 2	4106N	12434W	27412.2	43807.0	14631.4	104.	2.333	10859.	4.65	1.56	141.	11000.
USSR	79 627	4259N	12504W	27653.7	43906.6	13700.3	109.	1.417	6578.	4.64	2.07	22.	6600.
POLAND	79 621	4035N	12441W	27300.5	43747.9	14831.6	33.	4.583	21256.	4.64	1.43	84.	21340.
USSR	79 810	4153N	12451W	27511.4	43656.2	14266.8	98.	3.333	15391.	4.62	1.67	9.	15400.
USSR	78 7 8	4136N	12441W	27496.3	43847.4	14377.1	66.	1.667	7693.	4.62	1.43	7.	7700.
USSR	79 712	4053N	12457W	27335.6	43772.4	14672.0	82.	3.333	15311.	4.59	1.58	69.	15400.
USSR	78 621	4112N	12430W	27438.5	43818.4	14596.1	164.	3.833	17600.	4.59	1.36	0.	17600.
USSR	79 7 5	4057N	12442W	27370.2	43787.7	14678.0	82.	1.633	8401.	4.58	1.67	839.	9240.
USSR	79 814	4116N	12430W	27451.1	43824.3	14566.2	55.	1.917	8760.	4.57	1.14	40.	8800.
USSR	78 724	4056N	12432W	27383.4	43791.8	14708.1	98.	1.917	8758.	4.57	1.25	42.	8800.
USSR	79 612	4203N	12444W	27559.1	43872.8	14178.0	98.	1.917	8748.	4.56	1.63	52.	8800.
USSR	77 714	4137N	12438W	27499.1	43847.7	14390.3	131.	1.917	8744.	4.56	1.45	56.	8800.
POLAND	77 721	4149N	12501W	27491.2	43850.3	14257.9	16.	3.417	15578.	4.56	1.63	117.	15695.
POLAND	79 613	4052N	12434W	27366.9	43783.7	14731.8	71.	1.917	8736.	4.56	1.50	64.	8800.
POLAND	79 617	4054N	12450W	27348.6	43778.0	14680.9	77.	2.917	13195.	4.52	1.52	5.	13200.
POLAND	80 7 4	4109N	12433W	27423.5	43812.2	14611.7	109.	4.833	21817.	4.51	1.47	183.	22000.
USSR	79 6 6	4039N	12441W	27431.6	43755.7	14804.8	120.	3.000	13516.	4.51	1.63	14.	13530.
POLAND	78 7 2	4116N	12428W	27454.9	43825.4	14570.5	49.	2.000	8999.	4.50	1.29	21.	9020.
USSR	79 614	4130N	12437W	27480.5	43839.5	14445.3	39.	1.667	7467.	4.48	1.61	13.	7480.
POLAND	79 7 7	4237N	12456W	27619.9	43895.7	13886.6	66.	3.917	17538.	4.48	1.69	62.	17600.
POLAND	77 624	4211N	12446W	27575.9	43879.3	14109.1	55.	3.500	15621.	4.46	1.43	6.	15629.
USSR	79 7 7	4054N	12436W	27356.9	43784.9	14708.4	131.	3.917	17445.	4.45	1.25	155.	17600.
USSR	79 616	4059N	12431W	27394.9	43797.4	14689.0	49.	1.583	7040.	4.45	1.67	0.	7040.
USSR	79 6 8	4114N	12433W	27439.3	43819.7	14574.7	98.	1.333	5918.	4.44	1.36	22.	5940.
USSR	79 7 9	4207N	12442W	27573.4	43877.4	14147.1	164.	3.000	13314.	4.44	1.65	106.	13420.
USSR	79 725	4204N	12441W	27587.5	43875.1	14172.7	125.	3.333	14729.	4.42	1.74	11.	14740.
POLAND	77 722	4208N	12501W	27540.8	43870.0	14111.3	49.	2.917	12875.	4.41	1.58	765.	13640.
USSR	79 613	4042N	12441W	27323.4	43761.4	14784.4	98.	3.500	15427.	4.41	1.01	39.	15466.
USSR	78 724	4030N	12440W	27311.8	43754.3	14814.0	82.	1.500	6600.	4.40	1.34	0.	6600.
USSR	77 6 1	4237N	12459W	27614.4	43994.6	13883.3	87.	2.000	8800.	4.40	1.67	0.	8800.
USSR	78 618	4112N	12437W	27444.4	43823.3	14536.5	33.	2.000	8800.	4.40	1.28	0.	8800.
POLAND	77 719	4205N	12457W	27540.3	43868.9	14140.6	14.	4.000	17600.	4.40	1.59	0.	17600.
USSR	78 620	4242N	12504W	27616.7	43896.2	13837.8	98.	1.750	7700.	4.40	1.54	0.	7700.
POLAND	77 721	4126N	12434W	27474.2	43835.9	14482.4	87.	1.500	5600.	4.40	1.40	0.	6600.
USSR	77 719	4205N	12445W	27562.4	43874.3	14158.6	66.	1.500	6598.	4.40	1.59	2.	6600.
USSR	79 616	4053N	12439W	27368.6	43786.0	14699.0	38.	3.500	15389.	4.40	1.61	11.	15400.
POLAND	78 630	4125N	12428W	27402.8	43837.8	14502.2	101.	2.500	10990.	4.40	1.32	10.	11000.
POLAND	77 712	4124N	12436W	27460.8	43831.1	14489.5	27.	1.500	6592.	4.39	1.37	8.	6600.
USSR	79 610	4154N	12503W	27501.2	43854.9	14216.5	115.	2.000	9789.	4.39	1.58	11.	8800.
POLAND	78 7 3	4125N	12420W	27482.8	43837.8	14502.2	93.	1.000	4394.	4.39	1.33	6.	4400.

151

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	79 628	4214N	12448W	27579.7	43881.1	14082.2	16.	5.250	23061.	4.39	1.63	39.	23100.
POLAND	80 7 2	4114N	12431W	27443.0	43820.8	14579.0	98.	2.000	8779.	4.39	1.54	21.	8800.
POLAND	79 630	4209N	12452W	27559.6	43874.9	14116.4	128.	1.000	4389.	4.39	1.63	11.	4400.
USSR	78 620	4031N	12454W	27271.5	43732.5	14826.1	137.	1.417	6212.	4.38	1.36	388.	6600.
USSR	77 721	4241N	12459W	27623.5	43897.3	13851.0	44.	3.000	13125.	4.37	1.67	75.	13200.
USSR	79 711	4100N	12431W	27398.2	43799.1	14681.7	131.	3.500	15308.	4.37	1.61	92.	15400.
POLAND	77 721	4135N	12444W	27476.4	43939.7	14409.7	11.	1.500	6555.	4.37	1.43	45.	6600.
USSR	79 730	4117N	12432W	27450.5	43824.6	14554.5	169.	2.000	8736.	4.37	1.78	64.	8800.
USSR	79 7 6	4059N	12439W	27381.4	43792.8	14670.7	96.	5.000	21824.	4.36	1.63	396.	22220.
USSR	77 7 8	4102N	12431W	27404.7	43802.3	14667.3	19.	1.000	4362.	4.36	1.52	38.	4400.
USSR	79 7 3	4139N	12457W	27470.7	43840.5	14340.4	126.	3.000	13077.	4.36	1.80	123.	13200.
POLAND	77 8 7	4259N	12455W	27573.8	43910.0	13709.1	93.	3.750	16334.	4.36	1.64	10066.	26400.
USSR	79 7 5	4207N	12445W	27557.6	43875.1	14142.6	142.	2.500	10888.	4.36	1.70	112.	11000.
POLAND	79 715	4259N	12452W	27664.6	43908.5	13705.1	60.	1.417	6153.	4.34	2.02	7.	6160.
USSR	79 7 3	4104N	12434W	27405.8	43803.8	14646.0	109.	3.750	16218.	4.32	1.58	62.	16280.
USSR	79 729	4118N	12437W	27444.4	43823.3	14536.5	175.	1.500	6485.	4.32	1.65	115.	6600.
USSR	77 8 2	4240N	12502W	27629.2	43899.6	13807.5	68.	1.500	6438.	4.29	1.64	162.	6600.
USSR	79 625	4259N	12507W	27648.4	43905.7	13697.9	98.	3.083	13189.	4.28	1.67	11.	13200.
USSR	77 8 7	4107N	12431W	27420.8	43810.2	14630.8	137.	2.000	8551.	4.28	1.30	249.	8800.
USSR	77 723	4204N	12444W	27551.7	43873.8	14168.1	16.	3.083	13141.	4.26	1.46	59.	13200.
POLAND	79 7 7	4049N	12432W	27360.3	43779.6	14757.7	120.	7.417	31570.	4.26	1.76	110.	31680.
USSR	79 618	4036N	12441W	27303.8	43749.8	14824.9	55.	2.583	10991.	4.25	1.45	9.	11000.
POLAND	77 7 1	4150N	12444W	27524.3	43859.6	14278.6	22.	4.167	17600.	4.22	1.50	0.	17600.
POLAND	79 8 9	4147N	12440W	27512.3	43855.3	14298.6	109.	2.083	8792.	4.22	1.34	8.	8800.
USSR	78 7 7	4120N	12436W	27452.3	43826.6	14523.6	115.	2.083	8780.	4.21	1.45	20.	8800.
POLAND	79 7 2	4111N	12434W	27428.1	43814.7	14594.8	109.	2.333	9830.	4.21	1.67	70.	9900.
POLAND	79 618	4041N	12441W	27320.1	43759.5	14791.2	55.	3.917	16400.	4.19	1.52	100.	16500.
USSR	79 613	4123N	12436W	27461.4	43830.8	14501.1	55.	2.167	9020.	4.16	1.63	0.	9020.
USSR	79 622	4159N	12504W	27512.6	43859.7	14176.6	71.	1.583	6587.	4.16	1.61	13.	6600.
USSR	79 617	4057N	12443W	27368.6	43787.1	14675.8	93.	1.583	6583.	4.16	1.63	17.	6600.
USSR	79 616	4053N	12433W	27378.4	43789.5	14712.9	82.	1.583	6581.	4.16	1.47	19.	6600.
USSR	79 610	4150N	12447W	27518.7	43858.2	14273.6	115.	2.500	10369.	4.15	1.52	631.	11000.
USSR	79 7 5	4049N	12435W	27355.4	43777.6	14750.5	142.	4.063	16925.	4.14	1.58	15.	16940.
USSR	79 7 4	4142N	12457W	27472.0	43844.1	14317.8	104.	1.583	6562.	4.14	1.72	38.	6600.
POLAND	80 7 1	4103N	12432W	27408.1	43803.4	14657.7	82.	1.583	6555.	4.14	1.52	45.	6600.
USSR	79 6 8	4114N	12432W	27441.1	43820.3	14576.9	115.	1.583	6555.	4.14	1.39	45.	6600.
USSR	79 611	4201N	12500W	27524.7	43863.6	14167.3	71.	2.667	10993.	4.12	1.61	7.	11000.
POLAND	77 722	4209N	12502W	27541.6	43873.5	14102.1	27.	2.917	11989.	4.11	1.58	1473.	13462.
POLAND	78 720	4043N	12438W	27331.1	43765.0	14784.9	87.	2.667	10945.	4.10	0.97	55.	11000.
USSR	78 627	4045N	12436W	27337.5	43768.8	14771.1	93.	2.417	9900.	4.10	1.28	0.	9900.
POLAND	78 721	4200N	12439W	27576.6	43877.9	14159.7	273.	3.767	15367.	4.08	1.41	33.	15400.
USSR	79 730	4120N	12436W	27452.3	43826.6	14523.6	82.	3.750	15294.	4.08	1.85	326.	15620.
USSR	79 620	4100N	12445W	27393.6	43800.7	14607.3	55.	3.250	13200.	4.06	1.54	0.	13200.
USSR	78 724	4057N	12433W	27384.9	43792.9	14698.7	93.	1.083	4400.	4.06	1.45	0.	4400.
USSR	78 622	4239N	12504W	27609.9	43894.2	13861.9	137.	2.167	8600.	4.06	1.41	0.	8600.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
USSR	79 015	4103N	12430W	27409.7	43004.5	14662.3	87.	3.250	13192.	4.06	1.45	8.	13200.
POLAND	79 7 4	4138N	12432W	27513.6	43052.0	14393.8	260.	1.083	4395.	4.06	1.31	6.	4400.
USSR	73 626	4043N	12437W	27332.6	43765.6	14797.3	109.	2.333	9460.	4.05	1.20	0.	9460.
USSR	77 622	4143N	12457W	27401.7	43045.3	14310.2	87.	1.003	4365.	4.03	1.54	35.	4400.
USSR	79 611	4121N	12437W	27453.5	43027.5	14514.1	60.	2.250	9020.	4.01	1.60	0.	9020.
USSR	79 7 5	4210N	12445W	27575.3	43078.8	14118.6	126.	2.750	11000.	4.00	1.79	0.	11000.
USSR	79 713	4234N	12452W	27620.4	43095.1	13915.4	142.	2.750	10996.	4.00	1.65	4.	11000.
USSR	79 614	4117N	12431W	27452.3	43325.2	14556.6	71.	1.083	4321.	3.99	1.56	79.	4400.
POLAND	77 727	4242N	12501W	27622.1	43097.3	13040.8	82.	5.167	20576.	3.98	1.55	1424.	22000.
USSR	78 616	4243N	12506W	27608.6	43094.2	13851.8	98.	1.667	6600.	3.96	1.38	0.	6600.
POLAND	77 0 3	4248N	12448W	27659.6	43905.5	13804.6	71.	3.333	13200.	3.96	1.49	0.	13200.
USSR	79 712	4049N	12451W	27331.5	43760.0	14713.1	159.	4.500	17014.	3.96	1.87	6.	17020.
USSR	79 013	4119N	12428W	27464.3	43029.7	14547.9	30.	3.333	13111.	3.93	0.90	0.	13200.
POLAND	77 0 6	4257N	12501W	27504.9	43906.5	13719.0	98.	5.583	21961.	3.93	1.56	39.	22000.
USSR	78 613	4107N	12431W	27420.8	43010.2	14630.8	31.	2.250	8798.	3.91	1.32	2.	8800.
USSR	79 613	4157N	12445W	27541.4	43666.5	14222.0	109.	2.250	8795.	3.91	1.57	6.	8800.
USSR	77 721	4225N	12458W	27558.1	43806.1	13980.9	546.	1.667	6514.	3.91	1.57	0.	6600.
USSR	79 710	4050N	12423W	27396.9	43797.5	14703.1	109.	3.000	11660.	3.89	1.76	0.	11660.
USSR	78 614	4241N	12506W	27610.9	43094.0	13843.6	56.	2.833	11000.	3.88	1.52	0.	11000.
USSR	79 710	4050N	12436W	27357.1	43779.0	14741.2	328.	4.750	18397.	3.87	1.65	63.	18480.
USSR	77 722	4231N	12455W	27607.8	43091.8	13936.3	68.	2.833	10970.	3.87	1.50	30.	11000.
POLAND	79 022	4044N	12430W	27354.3	43766.9	14778.0	87.	4.833	18665.	3.86	1.65	35.	18700.
USSR	79 014	4117N	12433W	27440.6	43024.0	14552.4	44.	3.417	13180.	3.86	1.43	20.	13200.
USSR	76 630	4050N	12439W	27352.4	43777.3	14734.1	137.	2.833	10925.	3.86	1.36	75.	11000.
USSR	77 712	4140N	12442W	27522.5	43056.4	14297.7	25.	3.417	13162.	3.85	1.43	30.	13200.
USSR	79 015	4123N	12437W	27459.0	43030.2	14499.0	55.	1.033	7040.	3.84	1.65	0.	7040.
POLAND	79 7 2	4115N	12435W	27438.7	43020.0	14563.0	56.	3.667	14054.	3.83	1.65	26.	14080.
POLAND	79 012	4205N	12444W	27564.3	43074.7	14160.1	109.	3.833	14656.	3.82	1.71	84.	14740.
USSR	79 7 9	4036N	12445W	27298.4	43747.5	14815.1	109.	5.667	21550.	3.80	1.79	10.	21560.
USSR	78 7 7	4139N	12440W	27501.0	43049.1	14371.2	66.	2.333	8000.	3.77	1.39	0.	8000.
USSR	73 619	4124N	12440W	27457.1	43530.0	14485.5	71.	1.750	6600.	3.77	1.32	0.	6600.
USSR	78 7 7	4119N	12437W	27447.4	43020.7	14529.0	131.	2.333	8799.	3.77	1.47	1.	8600.
USSR	79 7 6	4045N	12430W	27357.6	43760.0	14771.1	82.	1.750	6591.	3.77	0.00	9.	6600.
POLAND	79 5 7	4046N	12451W	27322.2	43763.2	14733.5	87.	2.333	8786.	3.77	1.45	14.	8800.
USSR	79 615	4100N	12432W	27396.4	43798.5	14679.5	82.	5.833	21963.	3.77	1.46	37.	22000.
USSR	79 615	4105N	12431W	27414.4	43007.1	14645.4	66.	3.500	13153.	3.76	1.54	47.	13200.
USSR	79 620	4130N	12450W	27449.4	43031.2	14391.0	93.	1.750	6566.	3.75	1.61	34.	6600.
USSR	78 722	4114N	12429W	27446.7	43021.9	14503.3	82.	1.167	4365.	3.74	1.42	35.	4400.
USSR	79 713	4050N	12435W	27375.1	43780.3	14709.3	164.	4.417	16500.	3.74	1.87	0.	16500.
POLAND	79 7 1	4248N	12450W	27640.9	43902.2	13795.1	109.	1.750	6537.	3.74	1.71	63.	6600.
USSR	79 7 5	4152N	12452W	27515.0	43057.9	14249.7	120.	3.833	14300.	3.73	1.69	0.	14300.
USSR	79 614	4109N	12431W	27427.2	43813.3	14616.1	66.	1.750	6502.	3.72	1.45	98.	6600.
POLAND	80 7 4	4120N	12433W	27457.9	43020.3	14529.8	109.	5.333	19709.	3.70	1.45	91.	19800.
POLAND	79 624	4050N	12437W	27301.5	43792.3	14682.4	87.	9.500	34996.	3.60	1.58	204.	35200.
USSR	79 7 4	4157N	12506W	27504.0	43056.7	14106.9	27.	4.167	15334.	3.68	1.69	66.	15400.

153

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 017	4052N	12444W	27370.2	43788.3	14666.5	93.	0.833	3060.	3.67	1.63	20.	3080.
USSR	79 729	4107N	12430W	27422.6	43810.8	14633.0	104.	3.000	10967.	3.66	1.87	33.	11000.
USSR	78 016	4242N	12504W	27516.7	43896.2	15837.8	120.	2.417	8800.	3.64	1.32	0.	8600.
USSR	79 7 7	4053N	12443W	27355.9	43780.3	14703.9	142.	3.000	10919.	3.64	1.76	81.	11000.
USSR	78 019	4115N	12432W	27444.2	43821.7	14569.4	120.	2.417	8769.	3.63	1.28	31.	8800.
USSR	79 723	4051N	12434W	27363.6	43781.9	14738.9	22.	4.917	17817.	3.62	1.91	3.	17820.
USSR	77 722	4120N	12430W	27452.3	43826.6	14523.6	104.	1.833	6600.	3.60	1.61	0.	6600.
USSR	79 014	4102N	12435W	27377.7	43800.0	14658.2	66.	3.667	13190.	3.60	1.47	10.	13200.
USSR	79 026	4210N	12445W	27575.3	43876.8	14118.6	109.	1.833	6590.	3.59	1.56	10.	6600.
USSR	77 722	4229N	12453W	27606.8	43891.1	13954.8	328.	1.833	6560.	3.58	1.55	40.	6600.
POLAND	70 727	4225N	12449W	27604.8	43889.0	13922.1	301.	6.133	21935.	3.58	1.45	65.	22000.
POLAND	77 015	4257N	12452W	27671.4	43909.2	13726.4	55.	1.917	6820.	3.56	1.36	0.	6820.
USSR	79 017	4101N	12438W	27399.4	43796.7	14658.6	82.	3.083	10955.	3.55	1.54	45.	11000.
USSR	78 017	4116N	12441W	27431.1	43813.2	14543.0	71.	1.250	4400.	3.52	1.43	0.	4400.
USSR	78 012	4124N	12437W	27452.6	43831.6	14491.5	98.	1.250	4396.	3.52	1.33	4.	4400.
USSR	79 013	4046N	12443W	27339.9	43771.4	14738.6	44.	2.000	7027.	3.51	1.67	13.	7040.
USSR	79 7 9	4040N	12434W	27353.7	43776.6	14759.9	87.	2.500	8765.	3.51	1.61	35.	8800.
POLAND	79 023	4105N	12440W	27398.7	43802.0	14625.4	120.	3.500	12269.	3.51	1.63	51.	12320.
POLAND	79 7 2	4110N	12434W	27424.9	43813.2	14602.1	115.	2.500	8738.	3.50	1.61	62.	8800.
USSR	77 719	4206N	12446W	27563.1	43874.8	14149.1	82.	2.500	8700.	3.48	1.52	100.	8800.
USSR	78 7 2	4129N	12437W	27477.5	43838.2	14453.6		1.250	4331.	3.46	1.36	69.	4400.
USSR	79 010	4055N	12434W	27375.7	43788.9	14710.6	33.	3.167	10953.	3.46	1.56	47.	11000.
POLAND	78 723	4136N	12435W	27501.9	43848.1	14403.7	383.	5.083	17573.	3.46	1.41	28.	17600.
POLAND	78 019	4125N	12427W	27484.7	43838.4	14504.2	60.	2.167	7479.	3.45	1.31	1.	7480.
USSR	70 729	4055N	12430W	27363.5	43791.2	14720.0	87.	1.917	6600.	3.44	1.43	0.	6600.
USSR	79 011	4140N	12440W	27503.9	43850.3	14363.5	60.	6.667	22880.	3.43	1.56	0.	22880.
POLAND	78 725	4218N	12447W	27591.5	43884.8	14051.4	16.	1.667	5720.	3.43	1.35	0.	5720.
POLAND	79 7 3	4058N	12433W	27388.2	43794.6	14691.5	113.	3.333	11427.	3.43	1.65	13.	11440.
USSR	79 7 3	4206N	12452W	27541.1	43369.4	14131.3	126.	2.000	6820.	3.41	1.96	0.	6820.
USSR	79 025	4259N	12512W	27639.6	43904.1	13694.0	82.	2.833	9653.	3.41	1.61	27.	9680.
POLAND	77 7 7	4110N	12443W	27409.3	43802.1	14582.7	27.	3.167	10742.	3.39	1.52	258.	11000.
USSR	78 726	4212N	12444W	27582.3	43881.0	14103.9	109.	3.250	10989.	3.38	1.39	11.	11000.
POLAND	78 719	4150N	12440W	27548.2	43867.8	14238.1	27.	3.250	10982.	3.38	1.39	18.	11000.
POLAND	77 019	4254N	12455W	27657.6	43906.3	13747.8	27.	2.583	8699.	3.37	1.30	101.	8800.
USSR	77 722	4230N	12457W	27601.8	43890.3	13942.0	55.	2.250	7555.	3.36	1.54	1245.	8800.
POLAND	79 710	4222N	12450W	27595.7	43888.9	14015.1	66.	3.250	10901.	3.35	1.65	99.	11000.
USSR	79 013	4147N	12444W	27516.0	43856.3	14302.0	82.	5.250	17594.	3.35	1.65	6.	17600.
USSR	79 014	4207N	12444W	27569.5	43876.6	14144.1	137.	2.500	8353.	3.34	1.63	7.	8360.
POLAND	80 7 3	4107N	12432W	27419.0	43809.7	14628.6	109.	4.583	15184.	3.31	1.50	216.	15400.
POLAND	77 718	4150N	12440W	27531.9	43861.5	14285.5	16.	3.667	12101.	3.30	1.45	45.	12146.
USSR	79 720	4259N	12455W	27670.1	43909.4	13707.5	109.	1.333	4398.	3.30	1.73	2.	4400.
USSR	78 017	4115N	12441W	27428.1	43816.7	14550.4	71.	2.667	8796.	3.30	1.41	4.	8800.
USSR	79 029	4259N	12512W	27639.6	43904.1	13694.0	137.	2.667	8794.	3.30	1.70	6.	8800.
USSR	79 728	4149N	12444W	27521.6	43858.5	14286.4	77.	2.000	6593.	3.30	1.61	7.	6600.
POLAND	80 7 4	4123N	12436W	27476.5	43837.5	14463.2	142.	2.583	8509.	3.29	1.47	72.	8580.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	78 620	4117N	12436W	27443.1	43022.4	14546.0	60.	3.000	9875.	3.29	1.47	25.	9900.
POLAND	79 7 1	4232N	12452W	27615.7	43893.7	13931.7	90.	2.000	6571.	3.29	1.75	29.	6600.
POLAND	77 723	4200N	12510W	27525.4	43066.1	14098.5	22.	4.333	14220.	3.28	1.56	80.	14300.
USSR	79 724	4152N	12440W	27553.6	43869.8	14222.2	82.	0.333	1093.	3.28	1.45	7.	1100.
USSR	78 624	4052N	12440W	27357.3	43760.2	14717.8	98.	1.333	4366.	3.27	1.35	34.	4400.
USSR	79 6 9	4235N	12452W	27622.7	43895.8	13907.2	38.	0.667	2182.	3.27	1.54	18.	2200.
USSR	78 616	4120N	12446W	27434.6	43821.2	14503.2	63.	2.000	6539.	3.27	1.32	61.	6600.
POLAND	78 7 1	4106N	12430W	27425.8	43812.4	14625.7	66.	2.750	8972.	3.26	1.46	48.	9020.
USSR	79 731	4233N	12451W	27619.9	43894.7	13924.7	66.	2.000	6516.	3.26	1.08	84.	6600.
USSR	79 810	4113N	12432W	27438.0	43818.8	14584.3	164.	2.500	8139.	3.26	1.72	155.	8294.
POLAND	79 613	4059N	12437W	27371.8	43787.2	14703.7	55.	3.833	12453.	3.25	1.56	37.	12540.
USSR	79 711	4109N	12432W	27425.3	43812.8	14613.9	55.	3.417	10994.	3.22	1.65	6.	11000.
USSR	78 717	4036N	12444W	27299.8	43748.1	14817.6	109.	0.333	1073.	3.22	1.35	28.	1100.
POLAND	79 7 4	4040N	12436W	27350.6	43775.4	14755.1	164.	4.333	13897.	3.21	1.45	183.	14080.
USSR	79 619	4038N	12441W	27310.4	43753.8	14811.5	44.	3.417	10943.	3.20	1.54	57.	11000.
POLAND	77 7 6	4254N	12457W	27655.7	43906.0	13746.9	66.	5.167	16501.	3.19	1.45	56.	16557.
USSR	79 619	4101N	12454W	27364.3	43787.6	14623.2	82.	2.750	6765.	3.19	1.75	35.	8800.
USSR	79 610	4231N	12453W	27611.5	43892.6	13958.6	38.	2.417	7700.	3.19	1.72	0.	7700.
USSR	79 7 9	4040N	12440W	27318.3	43758.2	14800.4	44.	2.750	8741.	3.18	1.69	59.	8800.
USSR	78 7 6	4121N	12437W	27453.5	43827.5	14514.1	87.	2.083	6586.	3.16	1.34	14.	6600.
USSR	79 710	4041N	12438W	27324.5	43761.3	14798.5	82.	4.250	13420.	3.16	1.83	0.	13420.
POLAND	60 730	4140N	12442W	27517.0	43856.2	14313.3	104.	2.083	6565.	3.15	1.34	35.	6600.
USSR	79 714	4259N	12459W	27662.7	43908.2	13704.3	98.	2.167	6820.	3.15	1.89	0.	6820.
POLAND	79 623	4111N	12436W	27421.0	43812.4	14586.1	131.	3.500	10963.	3.13	1.58	37.	11000.
POLAND	78 728	4039N	12444W	27309.5	43754.0	14797.5	33.	3.500	10955.	3.13	1.29	45.	11000.
USSR	79 719	4121N	12436W	27451.7	43826.9	14512.0	82.	0.750	2343.	3.12	1.63	957.	3300.
POLAND	77 7 7	4200N	12439W	27560.9	43872.2	14207.8	22.	8.667	27053.	3.12	1.45	23.	27075.
USSR	79 7 9	4204N	12443W	27563.7	43874.2	14169.6	169.	3.167	9847.	3.11	1.76	53.	9900.
USSR	78 616	4244N	12504W	27621.2	43897.6	13821.7	109.	2.833	8800.	3.11	1.47	0.	8800.
USSR	77 6 2	4240N	12500W	27619.4	43896.3	13858.0	77.	4.250	13195.	3.10	1.58	5.	13200.
USSR	77 612	4232N	12450W	27619.5	43894.4	13934.0	82.	1.417	4398.	3.10	1.54	2.	4400.
USSR	79 810	4142N	12445W	27516.9	43856.9	14292.5	60.	4.250	13141.	3.09	1.54	59.	13200.
POLAND	79 7 1	4059N	12436W	27396.4	43794.5	14677.5	98.	4.000	12309.	3.06	1.65	11.	12320.
USSR	79 7 6	4163N	12436W	27399.2	43801.1	14648.7	131.	4.917	15127.	3.08	1.63	53.	15180.
POLAND	78 722	4134N	12427W	27511.8	43849.6	14434.6	118.	3.333	10214.	3.06	1.42	2986.	13200.
USSR	77 721	4117N	12432W	27450.5	43824.6	14554.5	109.	2.167	6600.	3.05	1.72	0.	6600.
USSR	79 723	4155N	12441W	27543.6	43866.3	14244.3	115.	2.167	6600.	3.05	1.87	0.	6600.
USSR	79 629	4154N	12451W	27522.2	43860.5	14235.8	82.	2.167	6600.	3.05	1.65	0.	6600.
USSR	79 7 6	4055N	12445W	27359.2	43782.6	14685.3	71.	3.667	11168.	3.05	1.78	272.	11440.
USSR	79 7 7	4051N	12446W	27345.0	43775.0	14710.8	153.	3.167	9561.	3.02	1.63	119.	9680.
USSR	79 729	4052N	12435W	27355.3	43783.1	14729.5	126.	2.917	8780.	3.01	1.78	20.	8800.
USSR	79 712	4050N	12450W	27336.1	43771.0	14708.5	55.	5.833	17559.	3.01	1.55	41.	17600.
USSR	77 712	4229N	12455W	27603.1	43890.3	13952.4	77.	1.417	4264.	3.01	1.67	136.	4400.
POLAND	79 621	4036N	12442W	27302.5	43749.3	14822.5	49.	4.083	12257.	3.00	1.54	63.	12320.
POLAND	79 716	4220N	12449W	27612.0	43891.9	13967.8	74.	2.917	8752.	3.00	1.58	48.	8800.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YY:MM:DD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	79 8 14	4210N	12444W	27577.2	43979.3	14120.0	109.	3.667	10990.	3.00	1.74	10.	11000.
USSR	79 7 10	4109N	12436W	27418.2	43210.5	14605.1	328.	3.000	8924.	2.97	1.74	96.	9020.
POLAND	79 7 2	4112N	12435W	27429.4	43315.6	14525.2	104.	3.000	8681.	2.96	1.69	139.	9020.
POLAND	78 7 24	4040N	12435W	27321.2	43759.4	14805.3	87.	3.000	8600.	2.93	1.32	0.	8800.
POLAND	80 7 4	4130N	12437W	27430.5	43839.5	14446.0	137.	3.333	9775.	2.93	1.52	125.	9900.
USSR	78 8 20	4123N	12439W	27455.9	43829.2	14495.0	82.	2.250	6597.	2.93	1.45	3.	6600.
POLAND	78 7 26	4213N	12447W	27591.5	43884.8	14051.4	14.	3.000	8793.	2.93	1.38	7.	8800.
USSR	77 7 20	4234N	12434W	27616.7	43694.5	13913.1	68.	3.000	8770.	2.92	1.63	30.	8800.
USSR	79 7 6	4040N	12440W	27318.3	43758.2	14800.4	49.	2.250	6563.	2.92	1.61	37.	6600.
USSR	78 7 4	4123N	12437W	27459.6	43830.2	14499.0	93.	1.500	4368.	2.91	1.30	32.	4400.
POLAND	77 8 26	4201N	12450W	27542.6	43868.2	14182.6	66.	1.750	5062.	2.89	1.45	11.	5073.
USSR	77 7 23	4152N	12442W	27549.7	43868.9	14218.9	71.	1.500	4326.	2.88	1.34	74.	4400.
POLAND	79 8 16	4112N	12430W	27438.5	43818.4	14596.1	58.	4.417	12722.	2.88	1.61	38.	12760.
USSR	78 8 16	4115N	12433W	27442.4	43821.2	14567.3	55.	2.250	6458.	2.87	1.35	142.	6600.
POLAND	77 7 11	4152N	12439W	27539.3	43864.1	14271.4	16.	4.167	11957.	2.87	1.45	2519.	14476.
USSR	77 7 25	4141N	12437W	27512.5	43853.0	14361.2	87.	3.333	10994.	2.87	1.58	6.	11000.
USSR	79 8 27	4234N	12433W	27618.5	43894.7	13914.3	109.	1.917	5497.	2.87	1.94	3.	5500.
POLAND	80 7 3	4115N	12435W	27438.7	43820.0	14563.0	120.	2.667	7246.	2.87	1.52	54.	7700.
POLAND	80 7 3	4114N	12432W	27441.1	43820.3	14576.9	109.	3.167	9076.	2.87	1.39	164.	9240.
POLAND	79 8 27	4256N	12504W	27647.3	43905.0	13724.7	120.	5.000	14300.	2.86	1.76	0.	14300.
USSR	77 8 6	4112N	12430W	27438.5	43818.4	14596.1	90.	1.417	4943.	2.85	1.56	357.	4400.
USSR	79 7 7	4044N	12439W	27332.9	43766.3	14775.6	77.	3.250	9239.	2.84	0.81	1.	9240.
USSR	77 7 22	4050N	12435W	27358.7	43779.5	14743.5	60.	2.333	6590.	2.82	1.41	10.	6600.
USSR	79 7 5	4106N	12439W	27403.6	43804.1	14620.4	60.	2.250	6321.	2.81	1.63	719.	7040.
USSR	78 7 26	4202N	12442W	27560.3	43872.8	14137.1	131.	3.917	11000.	2.81	1.47	0.	11000.
USSR	79 7 30	4105N	12432W	27412.6	43806.5	14643.2	131.	1.167	3244.	2.78	1.50	56.	3300.
USSR	77 8 4	4251N	12456W	27647.4	43904.0	13779.6	77.	1.167	3238.	2.78	1.32	3362.	6600.
POLAND	78 7 26	4212N	12444W	27582.3	43881.0	14103.9	33.	3.167	8786.	2.77	1.37	14.	8800.
POLAND	80 7 2	4111N	12431W	27433.5	43818.4	14601.3	98.	1.583	4393.	2.77	1.50	7.	4400.
USSR	79 7 23	4203N	12441W	27564.9	43874.2	14180.7	109.	1.583	4389.	2.77	1.74	11.	4400.
USSR	79 7 4	4141N	12457W	27478.2	43842.5	14323.3	131.	3.333	9232.	2.77	1.83	8.	9240.
USSR	79 8 28	4145N	12448W	27515.1	43856.4	14290.9	120.	1.833	5060.	2.76	1.38	0.	5060.
POLAND	77 7 13	4129N	12445W	27472.0	43836.6	14447.7	11.	3.167	8686.	2.74	1.39	114.	8800.
POLAND	77 7 13	4126N	12440W	27469.0	43835.3	14455.3	66.	3.167	8643.	2.73	1.33	157.	8800.
USSR	78 7 4	4127N	12440W	27466.1	43834.0	14462.9	82.	1.583	4310.	2.73	1.23	84.	4400.
POLAND	79 7 9	4225N	12449W	27604.8	43839.6	13992.1	55.	3.500	9522.	2.72	1.67	378.	9900.
USSR	77 8 4	4235N	12443W	27623.7	43855.5	13927.0	118.	2.417	6563.	2.72	1.45	37.	6600.
POLAND	77 7 31	4252N	12457W	27651.4	43904.9	13763.3	16.	3.250	8600.	2.71	1.52	0.	8800.
USSR	79 8 26	4258N	12450W	27641.0	43904.2	13793.6	93.	3.000	8099.	2.70	1.58	41.	8140.
USSR	79 8 14	4206N	12445W	27570.2	43877.0	14134.6	44.	3.250	8766.	2.70	1.63	34.	8800.
POLAND	79 8 11	4051N	12435W	27382.0	43791.4	14736.5	82.	4.833	12991.	2.69	1.47	209.	13200.
USSR	79 7 8	4159N	12434W	27563.1	43873.5	14223.9	197.	2.000	5348.	2.67	1.76	152.	5500.
USSR	79 7 30	4057N	12432W	27386.7	43793.5	14701.0	146.	2.833	7572.	2.67	1.61	128.	7700.
USSR	78 8 19	4123N	12434W	27465.2	43831.9	14505.2	77.	1.833	4891.	2.67	1.30	1709.	6600.
POLAND	78 7 21	4205N	12440W	27572.1	43876.5	14163.2	383.	1.650	4400.	2.67	1.39	0.	4400.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPRX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 724	4259N	12452W	27675.7	43910.3	13709.9	109.	1.667	4396.	2.64	1.83	4.	4400.
USSR	79 622	4143N	12500W	27476.7	43843.8	14305.0	115.	1.500	3957.	2.64	1.69	3.	3960.
USSR	79 624	4221N	12502W	27571.3	43881.2	14007.7	16.	3.333	8779.	2.63	1.67	21.	8800.
USSR	79 7 8	4203N	12441W	27564.9	43874.2	14180.7	131.	2.500	6583.	2.63	1.72	17.	6600.
USSR	78 628	4048N	12441W	27356.4	43768.9	14757.1	45.	1.667	4385.	2.63	1.29	15.	4400.
USSR	79 712	4105N	12433W	27414.0	43807.5	14633.7	546.	3.333	8760.	2.63	1.67	40.	8800.
USSR	79 710	4059N	12430W	27396.7	43798.0	14691.3	55.	4.167	10932.	2.62	1.67	68.	11000.
POLAND	79 617	4101N	12437W	27391.1	43797.2	14660.9	46.	3.333	8742.	2.62	1.47	58.	8800.
USSR	79 8 8	4125N	12436W	27467.5	43833.5	14486.0	153.	1.250	3257.	2.61	1.64	43.	3300.
USSR	78 7 1	4107N	12430W	27422.6	43810.8	14633.0	71.	2.417	6282.	2.60	1.34	318.	6600.
USSR	79 615	4124N	12439W	27458.9	43830.5	14487.5	49.	2.500	6457.	2.58	1.52	143.	6600.
POLAND	78 722	4046N	12437W	27342.4	43771.2	14766.6	16.	3.500	8974.	2.56	1.17	4666.	13640.
POLAND	77 711	4202N	12440W	27564.2	43873.7	14190.2	27.	4.333	11101.	2.56	1.30	1003.	12104.
POLAND	77 7 9	4209N	12442W	27576.5	43879.2	14131.0	27.	2.500	6395.	2.56	1.49	205.	6600.
USSR	78 7 6	4120N	12437W	27450.5	43826.1	14521.6	104.	2.583	6587.	2.55	1.39	13.	6600.
POLAND	79 7 6	4157N	12456W	27521.2	43861.3	14204.5	131.	3.000	7610.	2.54	1.67	90.	7700.
USSR	79 7 5	4101N	12430W	27403.2	43801.3	14676.8	137.	4.667	11808.	2.53	1.61	292.	12100.
USSR	79 617	4115N	12432W	27444.2	43821.7	14559.4	55.	3.917	9889.	2.52	1.43	11.	9900.
POLAND	79 731	4257N	12459W	27658.5	43907.1	13720.6	437.	2.500	6305.	2.52	1.96	75.	6380.
USSR	78 620	4124N	12450W	27439.6	43824.6	14465.6	82.	1.750	4400.	2.51	1.39	0.	4400.
USSR	77 6 2	4245N	12501W	27628.8	43899.3	13816.6	77.	1.750	4387.	2.51	1.60	13.	4400.
POLAND	78 626	4122N	12423W	27473.6	43833.8	14525.1	66.	2.250	5634.	2.50	1.31	86.	5720.
POLAND	79 710	4223N	12449W	27612.0	43891.9	13967.8	66.	3.750	9318.	2.46	1.36	142.	9460.
USSR	79 8 8	4128N	12436W	27476.5	43837.5	14463.2	137.	1.333	3295.	2.47	1.61	6.	3300.
USSR	79 613	4129N	12436W	27479.4	43336.6	14455.6	55.	3.500	8580.	2.45	1.58	220.	8800.
USSR	78 7 7	4136N	12438W	27496.2	43846.5	14396.1	66.	3.583	8772.	2.45	1.41	28.	8800.
POLAND	79 6 8	4040N	12448W	27307.3	43753.6	14781.1	77.	2.250	5470.	2.43	1.45	24.	5500.
USSR	79 811	4155N	12444W	27537.9	43864.9	14239.4	109.	3.583	8679.	2.42	1.69	121.	8800.
USSR	78 728	4041N	12433W	27524.5	43761.3	14798.5	126.	1.833	4400.	2.40	1.41	0.	4400.
USSR	78 7 7	4116N	12438W	27436.4	43819.8	14549.3	120.	1.833	4400.	2.40	1.41	0.	4400.
USSR	79 612	4150N	12443W	27526.2	43850.1	14280.3	71.	3.667	8793.	2.40	1.65	7.	8800.
USSR	77 716	4156N	12444W	27540.6	43865.9	14231.5	82.	1.833	4395.	2.40	1.39	6.	4400.
USSR	78 619	4117N	12431W	27452.3	43825.2	14556.6	120.	3.667	8782.	2.40	1.25	18.	8800.
USSR	77 8 2	4235N	12450W	27621.8	43895.1	13925.8	82.	11.000	26263.	2.39	1.41	137.	26400.
USSR	77 6 2	4233N	12440W	27625.6	43895.9	13928.1	87.	1.833	4370.	2.38	1.54	30.	4400.
POLAND	78 7 6	4122N	12427W	27475.5	43834.3	14527.2	44.	5.167	12309.	2.38	1.45	11.	12320.
USSR	79 629	4158N	12450W	27554.7	43865.2	14206.2	109.	0.917	2162.	2.36	1.47	38.	2200.
USSR	79 7 5	4055N	12437W	27365.3	43783.7	14717.8	82.	2.750	6483.	2.36	1.65	117.	6600.
USSR	79 7 4	4142N	12455W	27482.4	43845.1	14321.3	126.	0.917	2161.	2.36	1.71	39.	2200.
USSR	79 7 3	4216N	12458W	27556.2	43873.6	14052.6	87.	3.750	8800.	2.35	1.89	0.	8800.
USSR	78 620	4116N	12438W	27442.6	43822.7	14534.4	164.	2.333	5474.	2.35	1.30	26.	5500.
POLAND	80 728	4237N	12454W	27523.6	43896.4	13888.7	82.	4.667	10934.	2.34	1.58	66.	11000.
POLAND	79 6 9	4034N	12444W	27293.3	43744.2	14830.9	87.	4.917	11419.	2.32	1.49	21.	11440.
POLAND	77 628	4107N	12432W	27419.0	43809.7	14628.6	27.	3.917	9022.	2.30	1.41	73.	9095.
USSR	79 7 7	4051N	12440W	27354.1	43778.5	14724.8	44.	3.000	6906.	2.30	1.78	134.	7040.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
POLAND	77 023	4114N	12435W	27435.6	43013.6	14570.5	98.	4.750	10907.	2.30	1.58	93.	11000.
POLAND	77 626	4116N	12430W	27457.3	43027.1	14551.2	27.	1.917	4400.	2.30	1.39	0.	4400.
POLAND	78 7 3	4123N	12427W	27478.6	43035.7	14519.5	82.	1.917	4375.	2.28	1.27	25.	4400.
USSR	77 720	4257N	12450W	27664.6	43908.5	13705.1	93.	1.917	4363.	2.28	1.83	37.	4400.
USSR	77 721	4227N	12459W	27591.0	43207.2	13963.7	71.	1.833	4170.	2.27	1.61	230.	4400.
USSR	79 7 4	4203N	12457W	27535.1	43067.0	14156.3	98.	4.083	9215.	2.26	1.96	25.	9240.
USSR	79 6 9	4116N	12441W	27431.1	43016.2	14543.0	38.	2.917	6561.	2.25	1.32	39.	6600.
POLAND	77 7 5	4143N	12450W	27494.0	43848.8	14322.4	109.	4.833	10820.	2.24	1.69	180.	11000.
USSR	79 713	4053N	12439W	27378.2	43791.1	14677.8	186.	2.167	4834.	2.23	1.56	6.	4840.
POLAND	78 7 0	4137N	12441W	27549.0	43266.3	14228.5	82.	3.250	7240.	2.23	1.46	20.	7260.
POLAND	77 020	4237N	12504W	27653.7	43906.6	13700.3	87.	1.000	2200.	2.20	1.33	0.	2200.
USSR	79 020	4123N	12447W	27441.8	43824.9	14478.9	71.	2.000	4400.	2.20	1.50	0.	4400.
USSR	78 729	4104N	12431W	27411.1	43805.5	14652.7	107.	2.000	4400.	2.20	1.43	0.	4400.
USSR	78 616	4120N	12437W	27450.5	43826.1	14521.6	55.	3.000	6600.	2.20	1.43	0.	6600.
USSR	78 619	4125N	12439W	27461.9	43831.9	14480.0	63.	2.000	4400.	2.20	1.41	0.	4400.
USSR	78 618	4124N	12443W	27451.8	43826.4	14479.5	82.	3.000	6592.	2.20	1.39	8.	6600.
USSR	77 720	4234N	12451W	27622.3	43895.4	13916.5	55.	3.000	6587.	2.20	1.67	13.	6600.
USSR	79 020	4202N	12445W	27552.7	43871.0	14180.9	11.	3.000	6586.	2.20	1.34	14.	6600.
POLAND	77 712	4150N	12441W	27530.0	43861.1	14283.7	44.	3.917	8598.	2.20	1.39	202.	8800.
USSR	79 613	4202N	12453W	27539.7	43867.0	14170.1	56.	2.000	4387.	2.19	1.57	13.	4400.
USSR	79 615	4103N	12431W	27407.9	43803.9	14660.0	55.	2.000	4382.	2.19	1.56	18.	4400.
POLAND	79 622	4050N	12443W	27365.4	43785.4	14682.8	107.	4.333	9449.	2.18	1.54	11.	9460.
POLAND	80 7 2	4102N	12432W	27402.9	43801.7	14665.0	126.	2.000	4341.	2.17	1.45	59.	4400.
USSR	79 731	4117N	12432W	27450.5	43824.6	14554.5	169.	2.000	4326.	2.16	1.72	74.	4400.
USSR	79 731	4236N	12454W	27621.3	43895.7	13896.9	66.	3.083	6566.	2.13	1.67	34.	6600.
POLAND	79 7 7	4040N	12440W	27318.3	43758.2	14800.4	82.	5.083	10743.	2.11	1.78	37.	10780.
USSR	79 7 6	4206N	12443W	27558.9	43876.1	14153.6	55.	2.083	4400.	2.11	1.85	0.	4400.
USSR	79 724	4206N	12442W	27570.8	43876.5	14155.1	98.	2.083	4393.	2.11	1.80	7.	4400.
USSR	79 610	4132N	12439W	27482.7	43841.0	14426.8	49.	4.167	8746.	2.10	1.56	54.	8800.
POLAND	79 7 6	4147N	12447W	27510.5	43854.8	14296.8	131.	3.083	6468.	2.10	1.67	132.	6600.
POLAND	78 725	4151N	12453W	27510.5	43856.4	14255.8	33.	3.167	6596.	2.08	1.38	2.	6600.
USSR	79 7 5	4134N	12512W	27436.3	43350.7	14202.3	93.	2.083	4332.	2.08	1.70	68.	4400.
USSR	79 614	4117N	12430W	27454.2	43825.7	14553.7	66.	2.083	4289.	2.06	1.45	111.	4400.
USSR	79 618	4046N	12445W	27330.5	43766.6	14747.6	16.	4.167	8565.	2.06	1.56	15.	8580.
POLAND	77 726	4240N	12502W	27610.4	43894.5	13852.9	55.	0.750	1541.	2.06	1.54	18.	1560.
USSR	79 6 9	4209N	12445W	27572.7	43877.9	14126.6	71.	2.333	4766.	2.04	1.23	734.	5500.
USSR	78 619	4127N	12440W	27456.1	43834.0	14482.9	82.	2.167	4400.	2.03	1.47	0.	4400.
USSR	77 714	4117N	12440W	27436.0	43820.2	14537.7	66.	1.083	2200.	2.03	1.63	0.	2200.
POLAND	77 013	4030N	12444W	27280.4	43736.1	14857.3	98.	2.167	4400.	2.03	1.35	0.	4400.
POLAND	79 7 1	4231N	12452W	27613.4	43892.9	13939.8	96.	4.333	8774.	2.02	1.76	26.	8800.
USSR	79 617	4114N	12430W	27444.6	43821.4	14581.2	44.	2.167	4385.	2.02	1.45	15.	4400.
POLAND	79 713	4226N	12450W	27605.3	43890.0	13982.8	98.	4.333	8708.	2.01	1.58	92.	8800.
USSR	78 730	4036N	12434W	27380.0	43790.6	14703.5	131.	5.500	11000.	2.00	1.43	0.	11000.
USSR	79 7 8	4037N	12442W	27305.7	43751.2	14815.8	126.	4.417	8767.	1.99	1.56	33.	8800.
USSR	77 720	4201N	12450W	27542.5	43868.2	14182.6	82.	1.083	2146.	1.98	1.45	54.	2200.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 7 13	4052N	12440W	27357.3	43780.2	14717.8	131.	3.333	6600.	1.98	1.54	0.	6600.
USSR	79 6 22	4153N	12503W	27498.5	43853.8	14224.1	55.	2.250	4382.	1.95	1.63	18.	4400.
USSR	79 6 15	4117N	12430W	27454.2	43825.7	14550.7	60.	3.000	5789.	1.93	1.69	151.	5940.
USSR	79 6 12	4200N	12442W	27555.1	43870.8	14203.1	87.	3.417	6591.	1.93	1.63	9.	6600.
POLAND	79 6 21	4046N	12439W	27339.4	43770.0	14761.8	109.	3.417	6540.	1.91	1.41	60.	6600.
USSR	79 7 6	4040N	12440W	27318.3	43758.2	14800.4	33.	4.667	3853.	1.90	1.76	167.	9020.
POLAND	77 6 24	4256N	12456W	27661.9	43907.5	13731.3	55.	2.333	4400.	1.89	1.40	0.	4400.
POLAND	78 7 27	4212N	12503W	27547.4	43872.9	14077.2	77.	3.500	6589.	1.88	1.42	11.	6600.
USSR	79 7 4	4049N	12435W	27355.4	43777.8	14750.5	159.	2.333	4379.	1.88	1.76	21.	4400.
USSR	79 6 15	4117N	12429W	27456.1	43826.3	14560.8	44.	2.333	4375.	1.87	1.02	25.	4400.
POLAND	79 7 2	4110N	12435W	27423.1	43812.6	14600.0	104.	1.167	2161.	1.85	1.67	39.	2200.
POLAND	79 7 6	4156N	12455W	27525.7	43862.8	14198.3	142.	3.500	6481.	1.85	1.76	119.	6600.
USSR	78 6 19	4126N	12439W	27470.9	43835.9	14457.3	71.	3.583	6531.	1.82	1.47	69.	6600.
POLAND	77 6 3	4249N	12457W	27644.9	43903.1	13787.2	62.	4.833	8793.	1.82	1.49	7.	8600.
USSR	79 7 15	4258N	12458W	27562.4	43907.9	13713.3	115.	1.167	2119.	1.82	1.80	81.	2200.
USSR	78 7 6	4121N	12436W	27455.4	43828.0	14516.1	71.	2.333	4218.	1.81	1.34	182.	4400.
USSR	79 6 30	4209N	12444W	27574.7	43878.4	14128.1	98.	4.917	8792.	1.79	1.65	8.	8800.
POLAND	79 8 9	4152N	12445W	27527.9	43861.3	14261.3	128.	0.250	445.	1.78	1.75	61.	506.
USSR	79 7 31	4058N	12431W	27391.6	43795.7	14696.1	142.	4.333	7682.	1.77	1.63	18.	7700.
USSR	79 6 14	4144N	12437W	27521.0	43856.4	14337.8	60.	1.250	2200.	1.76	1.89	0.	2200.
USSR	79 6 9	4149N	12447W	27516.0	43857.1	14281.3	120.	1.250	2200.	1.76	1.54	0.	2200.
USSR	79 6 23	4200N	12516W	27495.3	43855.3	14150.9	33.	2.250	3960.	1.76	1.85	0.	3960.
USSR	79 7 6	4156N	12453W	27524.0	43861.7	14217.0	22.	4.000	7039.	1.76	1.89	1.	7040.
USSR	79 7 3	4258N	12459W	27660.6	43907.6	13712.5	98.	3.750	6592.	1.76	1.74	8.	6600.
POLAND	79 7 23	4259N	12454W	27667.9	43909.7	13708.3	137.	1.250	2196.	1.76	1.91	4.	2200.
USSR	79 6 10	4105N	12431W	27414.4	43807.1	14645.4	159.	4.750	8316.	1.75	1.67	44.	8360.
USSR	79 7 8	4203N	12445W	27561.0	43873.3	14177.6	93.	2.500	4373.	1.75	1.32	27.	4400.
USSR	79 7 25	4244N	12500W	27628.4	43899.0	13825.7	115.	1.250	2186.	1.75	1.66	14.	2200.
POLAND	80 7 4	4107N	12433W	27417.2	43809.1	14626.4	44.	5.250	9122.	1.74	1.43	118.	9240.
USSR	77 7 24	4207N	12443W	27571.4	43877.0	14145.6	16.	1.250	2158.	1.73	1.34	42.	2200.
USSR	79 6 7	4149N	12444W	27521.6	43858.5	14286.4	27.	1.250	2157.	1.73	1.61	43.	2200.
USSR	79 7 21	4258N	12459W	27660.6	43907.6	13712.5	55.	1.917	3282.	1.71	1.72	18.	3300.
USSR	77 7 18	4152N	12444W	27529.8	43861.8	14263.0	82.	0.583	995.	1.71	1.58	105.	1100.
USSR	79 7 31	4258N	12500W	27658.8	43907.3	13711.6	82.	1.917	3269.	1.71	1.80	31.	3300.
USSR	79 6 10	4158N	12500W	27516.8	43860.5	14190.5	93.	2.583	4388.	1.70	1.61	12.	4400.
USSR	78 7 30	4033N	12442W	27292.7	43743.3	14842.5	109.	2.583	4378.	1.69	1.45	22.	4400.
USSR	79 7 6	4051N	12443W	27349.5	43776.7	14717.8	109.	1.833	3055.	1.67	1.69	25.	3080.
USSR	78 7 8	4140N	12443W	27498.3	43846.8	14358.0	82.	2.000	3300.	1.65	1.36	0.	3300.
USSR	78 6 12	4228N	12501W	27589.8	43897.2	13953.3	82.	1.333	2198.	1.65	1.39	2.	2200.
USSR	79 6 22	4139N	12444W	27493.5	43847.1	14363.9	164.	4.000	6579.	1.64	1.58	21.	6600.
USSR	79 6 11	4143N	12443W	27506.8	43852.3	14334.8	44.	2.667	4328.	1.62	1.65	72.	4400.
USSR	79 6 24	4225N	12450W	27591.7	43886.0	13983.4	44.	1.500	2400.	1.60	1.76	20.	2420.
USSR	79 6 10	4146N	12444W	27513.3	43855.2	14309.8	44.	2.667	4245.	1.59	1.79	155.	4400.
USSR	78 7 22	4205N	12443W	27563.1	43874.8	14149.1	82.	1.333	2114.	1.59	1.47	86.	2200.
USSR	79 7 11	4119N	12435W	27445.6	43824.1	14527.0	545.	4.167	6559.	1.57	1.72	41.	6600.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	79 725	4204N	12441W	27557.5	43875.1	14172.7	98.	2.917	4588.	1.57	1.67	32.	4620.
USSR	78 7 8	4127N	12437W	27471.6	43835.6	14468.8		1.417	2200.	1.55	1.28	0.	2200.
USSR	78 626	4120N	12440W	27445.1	43824.5	14515.4	52.	1.417	2195.	1.55	1.42	5.	2200.
USSR	79 6 6	4042N	12443W	27320.5	43760.3	14779.6	208.	4.500	6912.	1.54	1.91	18.	6930.
USSR	79 712	4051N	12434W	27363.6	43781.9	14738.9	472.	4.000	6138.	1.53	1.54	462.	6600.
USSR	79 728	4158N	12440W	27553.6	43869.8	14222.2	159.	2.833	4316.	1.52	1.63	84.	4400.
USSR	79 714	4257N	12453W	27864.0	43908.0	13723.1	104.	2.250	3300.	1.47	1.91	0.	3300.
USSR	77 727	4232N	12451W	27617.6	43894.0	13932.8	55.	3.000	4388.	1.46	1.36	12.	4400.
USSR	79 730	4117N	12432W	27450.5	43824.0	14554.5	104.	4.500	6576.	1.46	1.87	24.	6600.
USSR	79 714	4252N	12450W	27677.3	43910.3	13719.8	115.	2.417	3514.	1.45	1.76	6.	3520.
POLAND	78 717	4134N	12427W	27511.8	43849.8	14434.6	87.	0.750	1085.	1.45	1.56	15.	1100.
USSR	77 8 3	4102N	12431W	27404.7	43802.3	14657.3	96.	3.000	4294.	1.43	1.47	106.	4400.
USSR	79 6 9	4108N	12440W	27408.1	43806.7	14603.7	33.	3.000	4247.	1.42	1.56	153.	4400.
USSR	79 615	4056N	12433W	27388.2	43794.6	14691.5	60.	3.083	4347.	1.41	1.43	53.	4400.
POLAND	79 813	4220N	12443W	27612.0	43891.9	13967.8	15.	6.833	9592.	1.40	1.70	88.	9680.
POLAND	79 621	4046N	12434W	27347.1	43772.9	14773.8	60.	6.583	9226.	1.40	1.43	14.	9240.
USSR	77 724	4211N	12445W	27577.8	43879.7	14110.6	16.	4.417	6179.	1.40	1.56	421.	6600.
USSR	79 7 6	4045N	12435W	27342.2	43770.5	14778.3	109.	3.333	4600.	1.38	1.61	900.	5500.
USSR	77 712	4115N	12437W	27435.1	43818.9	14558.8	49.	3.167	4224.	1.33	1.43	176.	4400.
USSR	79 710	4041N	12452W	27305.2	43753.2	14764.9	120.	3.250	4314.	1.33	1.65	86.	4400.
USSR	78 616	4242N	12505W	27614.9	43895.9	13836.8	131.	1.667	2200.	1.32	1.41	0.	2200.
USSR	78 726	4207N	12446W	27565.7	43875.7	14141.1	109.	1.667	2193.	1.32	1.50	7.	2200.
USSR	79 621	4130N	12442W	27471.3	43830.9	14436.3	82.	1.667	2191.	1.31	1.58	9.	2200.
POLAND	79 726	4257N	12455W	27655.8	43908.3	13723.9	87.	3.250	4271.	1.31	1.65	349.	4620.
USSR	79 724	4202N	12443W	27558.4	43872.3	14185.6	82.	0.833	1090.	1.31	1.69	10.	1100.
USSR	78 7 1	4058N	12431W	27391.6	43795.7	14696.1	22.	3.167	4119.	1.30	1.36	61.	4180.
USSR	78 619	4124N	12440W	27457.1	43830.0	14485.5	71.	1.667	2167.	1.30	1.37	33.	2200.
POLAND	79 731	4249N	12459W	27641.2	43902.4	13786.0	66.	1.667	2163.	1.30	1.78	37.	2200.
USSR	77 8 5	4105N	12432W	27412.6	43806.5	14643.2	104.	1.667	2147.	1.29	1.54	53.	2200.
USSR	79 618	4055N	12450W	27351.7	43779.7	14674.0	38.	3.417	4396.	1.29	1.65	4.	4400.
POLAND	77 716	4124N	12436W	27464.5	43832.1	14493.5	66.	3.500	4394.	1.26	1.42	6.	4400.
USSR	77 723	4205N	12445W	27570.2	43877.0	14134.6	82.	1.750	2187.	1.25	1.32	13.	2200.
USSR	79 613	4144N	12440W	27515.2	43854.9	14332.4	60.	1.750	2177.	1.24	1.72	23.	2200.
USSR	78 628	4042N	12440W	27324.8	43762.0	14786.8	96.	3.667	4367.	1.19	1.50	33.	4400.
USSR	79 612	4150N	12438W	27535.8	43862.5	14235.9	77.	3.667	4362.	1.19	1.63	58.	4400.
USSR	79 613	4117N	12437W	27441.3	43821.8	14544.0	63.	1.833	2178.	1.19	1.67	22.	2200.
USSR	77 716	4134N	12437W	27488.5	43843.5	14411.5	66.	1.833	2177.	1.19	1.50	23.	2200.
USSR	77 8 1	4231N	12454W	27609.7	43892.2	13937.4	546.	3.500	4148.	1.19	1.60	252.	4400.
USSR	79 7 4	4147N	12458W	27496.4	43851.7	14262.8	115.	2.250	2640.	1.17	1.85	0.	2640.
USSR	79 7 7	4158N	12504W	27510.0	43858.7	14134.3	10.	3.167	3711.	1.17	1.64	29.	3740.
USSR	79 811	4252N	12500W	27645.9	43903.9	13760.6	82.	3.750	4385.	1.17	1.83	15.	4400.
USSR	79 615	4134N	12459W	27508.0	43856.8	14222.9	120.	3.667	4255.	1.16	1.67	35.	4290.
USSR	79 711	4050N	12435W	27358.7	43779.6	14743.5	383.	3.833	4343.	1.13	1.54	57.	4400.
USSR	79 719	4123N	12436W	27461.4	43830.8	14501.1	98.	0.583	659.	1.13	1.72	1.	660.
POLAND	79 710	4225N	12450W	27502.9	43889.2	13990.9	66.	2.917	3291.	1.13	1.69	9.	3300.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	77 727	4224N	12449W	27502.4	43983.8	14000.2	55.	1.917	2147.	1.12	1.43	53.	2200.
USSR	77 8 2	4247N	12502W	27531.4	43900.2	13799.4	87.	2.833	3161.	1.12	1.53	139.	3300.
USSR	78 615	4242N	12508W	27609.6	43894.8	13833.8	104.	2.000	2200.	1.10	3.04	0.	2200.
POLAND	77 714	4137N	12439W	27497.2	43847.2	14388.5	56.	2.000	2200.	1.10	1.46	0.	2200.
POLAND	77 7 1	4149N	12440W	27517.8	43857.6	14283.0	60.	2.000	2200.	1.10	1.70	0.	2200.
POLAND	77 720	4156N	12445W	27533.1	43864.0	14225.0	30.	2.000	2200.	1.10	1.45	0.	2200.
POLAND	79 630	4251N	12458W	27647.4	43904.0	13770.6	148.	2.000	2184.	1.09	1.80	16.	2200.
POLAND	79 720	4121N	12438W	27451.7	43826.9	14512.0	437.	4.200	4350.	1.04	1.76	50.	4400.
USSR	79 713	4051N	12443W	27349.5	43776.7	14717.8	546.	4.250	4400.	1.04	1.67	0.	4400.
POLAND	78 610	4034N	12442W	27295.9	43745.3	14835.8	55.	1.023	1100.	1.02	2.20	0.	1100.
USSR	79 615	4053N	12437W	27365.3	43783.7	14717.8	66.	4.333	4389.	1.01	1.56	11.	4400.
POLAND	78 7 5	4126N	12427W	27487.8	43839.7	14496.6	93.	2.167	2189.	1.01	1.33	11.	2200.
USSR	78 620	4127N	12433W	27469.7	43835.1	14466.8	82.	4.333	4370.	1.01	1.45	30.	4400.
USSR	79 620	4130N	12455W	27443.7	43828.5	14405.8	98.	2.833	2851.	1.01	1.69	9.	2860.
POLAND	80 7 1	4107N	12431W	27420.8	43810.2	14630.8	109.	2.063	2064.	0.99	1.47	136.	2200.
USSR	79 7 8	4052N	12441W	27355.2	43779.6	14715.5	131.	2.167	2141.	0.99	1.72	59.	2200.
POLAND	79 7 2	4244N	12458W	27632.0	43899.7	13827.6	93.	4.750	4592.	0.97	1.69	28.	4620.
USSR	77 728	4156N	12445W	27538.7	43865.5	14229.9	118.	2.250	2173.	0.97	1.61	28.	2200.
POLAND	79 7 1	4235N	12452W	27618.1	43894.4	13923.5	115.	5.023	4829.	0.95	1.94	11.	4840.
POLAND	77 715	4124N	12434W	27463.2	43833.2	14497.6	55.	2.333	2200.	0.94	1.36	0.	2200.
USSR	78 613	4103N	12431W	27407.9	43803.9	14660.0	26.	2.333	2200.	0.94	1.32	0.	2200.
USSR	77 718	4157N	12443W	27545.2	43867.4	14225.3	55.	1.333	1222.	0.92	1.74	98.	1320.
USSR	77 723	4211N	12457W	27555.5	43874.6	14093.5	16.	1.167	1058.	0.91	1.58	42.	1100.
POLAND	80 7 5	4119N	12438W	27445.6	43824.1	14527.0	71.	4.833	4339.	0.90	1.47	51.	4400.
USSR	79 730	4117N	12430W	27454.2	43825.7	14558.7	159.	2.500	2200.	0.88	1.85	0.	2200.
USSR	77 7 5	4256N	12450W	27661.9	43907.5	13731.3	22.	2.500	2187.	0.87	1.47	13.	2200.
USSR	79 711	4044N	12440W	27331.4	43765.7	14773.2	44.	2.500	2162.	0.86	1.58	39.	2200.
USSR	78 619	4123N	12442W	27450.6	43827.5	14489.0	109.	3.667	3098.	0.84	1.30	202.	3300.
USSR	77 720	4146N	12453W	27496.9	43850.8	14294.2	82.	0.750	603.	0.80	1.34	57.	660.
USSR	77 717	4156N	12445W	27538.7	43865.5	14229.9	82.	1.833	1471.	0.80	1.30	69.	1540.
USSR	79 623	4142N	12514W	27467.3	43842.9	14244.1	60.	2.583	2024.	0.78	1.74	176.	2200.
POLAND	79 611	4149N	12443W	27523.4	43859.0	14288.2	115.	2.500	1852.	0.74	1.87	128.	1980.
USSR	79 615	4244N	12501W	27626.6	43898.6	13824.7	30.	2.750	2009.	0.73	1.76	191.	2200.
USSR	79 611	4045N	12435W	27342.2	43770.5	14778.3	153.	2.833	2022.	0.71	1.19	2.	2024.
POLAND	80 7 5	4123N	12436W	27461.4	43830.8	14501.1	109.	4.833	3425.	0.71	1.50	95.	3520.
USSR	77 722	4234N	12451W	27622.3	43895.4	13916.5	82.	3.000	2109.	0.70	1.85	91.	2200.
USSR	78 7 5	4121N	12436W	27455.4	43828.0	14516.1	87.	3.063	2143.	0.70	1.47	57.	2200.
USSR	77 715	4206N	12444W	27531.2	43867.9	14199.9	109.	4.750	3209.	0.68	1.58	91.	3300.
USSR	77 721	4241N	12500W	27621.6	43897.0	13849.9	44.	3.250	2151.	0.66	1.61	49.	2200.
USSR	79 615	4109N	12439W	27414.7	43809.4	14600.8	33.	3.333	2101.	0.63	1.61	99.	2200.
USSR	79 630	4202N	12451W	27558.9	43874.4	14125.8	82.	0.667	420.	0.63	1.60	20.	440.
USSR	79 7 4	4151N	12500W	27498.3	43853.0	14244.3	115.	2.750	1724.	0.63	1.78	36.	1760.
USSR	79 710	4226N	12450W	27605.3	43990.0	13982.8	109.	2.000	1240.	0.62	1.63	80.	1320.
USSR	79 7 6	4053N	12437W	27365.3	43783.7	14717.8	126.	2.917	1788.	0.61	1.67	192.	1980.
POLAND	79 611	4050N	12431W	27385.1	43792.4	14710.5	55.	3.250	1954.	0.60	1.58	26.	1980.

161

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-3.--(continued)

EUREKA

SEASON = JUNE 1 TO AUG 15

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING				BYCATCH (LBS)	TOTAL CATCH (LBS)	
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR			SIZE LBS/FISH
POLAND	80 729	4123N	12434W	27480.2	43838.5	14467.2	66.	3.583	2081.	0.58	1.34	119.	2200.
USSR	77 726	4233N	12455W	27612.5	43893.3	13920.1	66.	1.250	713.	0.57	1.63	387.	1100.
POLAND	77 626	4223N	12451W	27576.2	43887.3	14005.2	98.	3.917	2200.	0.56	1.47	0.	2200.
USSR	79 6 9	4111N	12432W	27431.7	43815.8	14599.1	57.	2.000	1096.	0.55	1.41	4.	1100.
USSR	77 716	4142N	12441W	27507.7	43852.1	14346.2	22.	2.583	1385.	0.54	1.45	155.	1540.
POLAND	79 624	4055N	12437W	27371.8	43787.2	14703.7	131.	1.917	1025.	0.53	1.56	75.	1100.
USSR	79 625	4255N	12520W	27617.5	43899.2	13719.5	33.	4.167	2185.	0.52	1.63	15.	2200.
USSR	79 613	4124N	12436W	27464.5	43832.1	14493.5	44.	3.517	2019.	0.52	1.50	181.	2200.
USSR	79 713	4055N	12435W	27375.1	43788.3	14708.3	131.	5.167	2640.	0.51	1.85	0.	2640.
USSR	78 619	4125N	12437W	27465.6	43833.0	14464.0	57.	2.167	1087.	0.50	1.34	13.	1100.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

EUREKA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			DEPTH (FMS)	HOURS TRAWLED	CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z							
USSR	79 818	4202N	12442W	27560.3	43872.8	14187.1	98.	0.500	39512.	79.02	1.39	88.	39600.
USSR	79 816	4206N	12441W	27557.0	43871.3	14206.6	126.	0.167	10980.	65.88	1.14	20.	11000.
USSR	79 819	4203N	12441W	27564.9	43874.2	14180.7	120.	0.500	30789.	61.58	0.64	11.	30800.
USSR	79 816	4201N	12442W	27557.7	43871.8	14195.1	109.	0.750	32883.	43.84	1.03	117.	33000.
USSR	79 817	4201N	12443W	27555.8	43871.4	14193.5	137.	0.667	28594.	42.89	1.30	6.	28600.
USSR	79 823	4050N	12447W	27340.4	43772.7	14715.4	137.	1.500	54999.	36.67	0.68	1.	55000.
USSR	79 819	4203N	12442W	27563.0	43873.7	14179.1	98.	0.917	32993.	35.99	0.62	7.	33000.
USSR	79 817	4203N	12442W	27563.0	43873.7	14179.1	109.	0.833	21995.	26.39	0.79	5.	22000.
USSR	7910 6	4057N	12431W	27388.4	43794.1	14703.3	208.	2.083	54980.	26.39	0.66	20.	55000.
USSR	77 823	4233N	12443W	27625.6	43895.9	13923.1	273.	0.833	21905.	26.29	1.41	95.	22000.
USSR	79 821	4153N	12439W	27558.2	43871.2	14215.8	104.	1.000	21995.	22.00	0.59	5.	22000.
USSR	79 813	4205N	12442W	27568.2	43875.6	14163.1	93.	1.500	32977.	21.98	1.43	23.	33000.
USSR	7910 6	4048N	12434W	27353.7	43776.6	14759.9	180.	2.000	43921.	21.96	0.66	79.	44000.
USSR	77 822	4136N	12433W	27502.0	43848.9	14382.5	383.	1.417	30595.	21.60	1.47	205.	30200.
USSR	79 818	4203N	12442W	27563.0	43873.7	14179.1	98.	1.917	40199.	20.97	0.84	39.	40238.
USSR	79 828	4241N	12502W	27607.4	43894.1	13841.3	142.	2.167	43846.	20.24	1.69	154.	44000.
USSR	77 823	4253N	12453W	27645.3	43903.4	13778.7		1.167	22000.	18.86	1.47	0.	22000.
USSR	79 825	4047N	12436W	27347.3	43773.6	14762.1	109.	2.083	32784.	18.62	2.29	5876.	44660.
USSR	79 820	4200N	12440W	27558.9	43871.8	14206.2	109.	1.500	26397.	17.60	0.68	3.	26400.
USSR	79 830	4251N	12504W	27636.6	43902.0	13765.2	137.	2.250	39573.	17.59	0.88	27.	39600.
POLAND	8010 4	4255N	12458W	27659.7	43906.9	13739.6	175.	3.333	58425.	17.53	1.45	535.	58960.
POLAND	80 919	4103N	12432W	27406.1	43803.4	14657.7	191.	5.000	62057.	16.41	1.25	1257.	83314.
USSR	79 818	4202N	12440W	27564.2	43873.7	14190.2	93.	1.417	23062.	16.28	0.62	38.	23100.
USSR	7910 6	4056N	12422W	27390.3	43794.1	14717.5	219.	2.167	35176.	16.23	0.68	24.	35200.
USSR	79 829	4247N	12502W	27631.4	43900.2	13799.4	137.	1.750	24608.	14.06	1.06	32.	24640.
USSR	79 818	4203N	12441W	27564.9	43874.2	14180.7	98.	2.917	40934.	14.03	0.84	96.	41030.
USSR	79 819	4204N	12442W	27565.6	43874.7	14171.1	120.	1.583	21988.	13.89	0.70	12.	22000.
USSR	79 919	4255N	12505W	27643.4	43904.1	13731.9	137.	1.333	18497.	13.87	1.89	423.	18920.
USSR	79 829	4251N	12507W	27631.2	43901.0	13762.5	137.	2.500	32962.	13.18	0.88	38.	33000.
POLAND	80 830	4259N	12452W	27675.7	43910.3	13709.9	137.	3.167	41250.	13.03	1.14	2750.	44000.
USSR	79 819	4204N	12441W	27567.5	43875.1	14172.7	109.	2.100	26400.	12.57	0.73	0.	26400.
USSR	79 822	4043N	12440W	27328.1	43763.9	14780.0	55.	1.750	21964.	12.55	0.64	36.	22000.
USSR	79 821	4200N	12441W	27557.0	43871.3	14204.6	115.	1.583	19414.	12.26	0.68	78.	19492.
USSR	79 817	4206N	12443W	27568.9	43876.1	14153.6	104.	3.167	33478.	10.57	1.10	6.	33484.
USSR	79 829	4241N	12503W	27612.7	43895.2	13844.8	137.	3.333	32978.	9.89	1.43	22.	33000.
USSR	79 819	4203N	12441W	27564.9	43874.2	14180.7	93.	1.167	10999.	9.43	0.64	1.	11000.
USSR	79 818	4203N	12441W	27564.9	43874.2	14180.7	120.	1.583	14916.	9.42	0.81	0.	14916.
USSR	7910 5	4056N	12431W	27385.1	43792.4	14710.5	241.	2.833	26330.	9.29	0.70	70.	26400.
USSR	79 817	4208N	12444W	27572.1	43877.5	14136.1	109.	2.000	18022.	9.01	1.54	18.	18040.
USSR	79 827	4253N	12504W	27640.9	43903.2	13749.0	109.	2.500	21997.	8.80	1.72	3.	22000.
USSR	79 820	4205N	12441W	27570.1	43876.1	14164.7	109.	3.833	32972.	8.60	0.75	28.	33000.
USSR	79 826	4256N	12504W	27651.6	43906.1	13708.4	137.	2.500	21490.	9.60	1.74	70.	21560.
USSR	79 817	4211N	12445W	27577.8	43879.7	14110.6	120.	4.750	38882.	8.19	1.32	14.	38896.
POLAND	801012	4103N	12430W	27409.7	43804.5	14662.3	180.	6.000	47751.	7.96	1.11	5423.	53174.
USSR	79 824	4044N	12450W	27317.2	43760.0	14749.4	164.	2.833	21971.	7.75	0.62	29.	22000.

163

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

Table B-4.--Foreign Pacific whiting catch rates and positions in the International North Pacific Fisheries Commission (INPFC) Eureka Area during August 16-October 31, 1977-80.

EUREKA

SEASON = AUG 16 TO OCT 31

TARGET = PACIFIC WHITING

NATION	DATE YYMMDD	LAT	LONG	APPROX LORAN-C PULSE RATES			FISHING		CATCH (LBS)	THOUSAND LBS PER HOUR	SIZE LBS/FISH	BYCATCH (LBS)	TOTAL CATCH (LBS)
				9X	9Y	9Z	DEPTH (FMS)	HOURS TRAWLED					
USSR	79 819	4209N	12444W	27574.7	43878.4	14128.1	93.	4.500	32995.	7.33	0.68	5.	33000.
USSR	79 828	4250N	12506W	27630.8	43900.7	13771.5	109.	3.000	21958.	7.32	1.74	42.	22000.
USSR	79 821	4203N	12441W	27554.9	43874.2	14180.7	93.	1.500	10967.	7.31	0.59	33.	11000.
USSR	79 816	4152N	12453W	27513.3	43857.5	14248.0	109.	5.833	39574.	6.78	1.69	136.	39710.
USSR	79 824	4043N	12448W	27316.8	43759.3	14700.9	153.	2.333	14917.	6.39	0.64	43.	14960.
USSR	79 830	4241N	12506W	27610.9	43894.6	13843.2	131.	2.750	17386.	6.32	1.30	214.	17600.
USSR	79 823	4251N	12504W	27636.6	43902.0	13765.2	109.	2.750	17214.	6.26	1.70	366.	17600.
POLAND	8010 9	4101N	12427W	27408.6	43803.0	14683.7	191.	4.333	25480.	5.88	1.23	3780.	29260.
USSR	79 827	4251N	12502W	27640.2	43902.7	13767.0	109.	3.583	20683.	5.77	1.67	1317.	22000.
USSR	79 816	4157N	12456W	27521.2	43861.3	14204.5	153.	5.250	30076.	5.73	1.69	218.	30294.
POLAND	80 820	4141N	12439W	27502.6	43852.0	14357.5	77.	5.500	30617.	5.57	0.98	183.	30800.
POLAND	80 820	4130N	12436W	27432.4	43840.1	14447.9	98.	3.917	21735.	5.55	1.01	265.	22000.
USSR	79 816	4209N	12444W	27574.7	43878.4	14128.1	164.	2.000	10982.	5.49	1.73	18.	11000.
USSR	79 820	4203N	12441W	27554.9	43874.2	14180.7	109.	2.000	10970.	5.49	0.86	30.	11000.
USSR	79 820	4047N	12436W	27347.3	43773.6	14762.1	208.	5.083	27465.	5.40	0.92	35.	27500.
USSR	79 830	4251N	12504W	27636.6	43902.0	13765.2	131.	2.083	10820.	5.19	1.03	180.	11000.
USSR	79 824	4052N	12445W	27349.7	43777.4	14706.2	164.	2.500	10982.	4.39	0.75	18.	11000.
USSR	79 827	4259N	12502W	27657.3	43907.3	13701.9	120.	1.083	4341.	4.01	1.63	59.	4400.
USSR	79 816	4236N	12453W	27613.9	43894.3	13892.5	109.	3.500	13471.	3.85	1.67	169.	13640.
USSR	79 826	4046N	12441W	27336.4	43768.9	14757.1	120.	4.500	15836.	3.52	1.69	114.	15950.
USSR	77 816	4259N	12451W	27677.5	43910.6	13710.7	87.	1.333	4400.	3.30	1.45	0.	4400.
USSR	79 826	4035N	12446W	27223.9	43745.0	14819.3	175.	3.083	9098.	2.95	0.70	32.	9130.
POLAND	801015	4259N	12452W	27675.7	43910.3	13709.9	131.	3.083	8897.	2.89	1.61	343.	9240.
USSR	79 825	4036N	12447W	27225.2	43746.4	14810.2	148.	2.833	6579.	2.32	0.77	21.	6600.
USSR	7910 5	4046N	12441W	27336.4	43768.9	14757.1	148.	1.917	4390.	2.29	1.69	10.	4400.
USSR	79 824	4047N	12446W	27329.5	43766.7	14733.7	120.	3.083	6546.	2.12	0.76	54.	6600.
USSR	79 825	4053N	12436W	27306.9	43784.3	14720.1	109.	3.417	6991.	2.05	0.70	50.	7040.
USSR	79 823	4035N	12447W	27222.6	43744.4	14816.9	109.	3.250	6532.	2.01	0.86	68.	6000.
USSR	79 820	4204N	12441W	27567.5	43875.1	14172.7	109.	5.500	10969.	1.99	0.62	31.	11000.
POLAND	80 819	4124N	12437W	27462.6	43831.6	14491.5	60.	8.333	14734.	1.77	1.07	666.	15400.
USSR	79 822	4044N	12443W	27327.0	43764.0	14766.0	93.	3.000	5264.	1.75	0.64	16.	5280.
USSR	79 819	4203N	12441W	27554.9	43874.2	14180.7	120.	1.500	2481.	1.65	0.75	5.	2486.
USSR	79 823	4040N	12445W	27311.3	43755.3	14788.3	109.	2.000	3292.	1.65	0.77	8.	3300.
USSR	79 810	4203N	12441W	27554.9	43874.2	14180.7	137.	1.500	2200.	1.47	1.67	0.	2200.
USSR	79 818	4208N	12442W	27575.9	43878.4	14139.1	137.	1.583	2200.	1.39	1.67	0.	2200.
USSR	79 826	4045N	12443W	27350.2	43765.9	14759.2	109.	1.000	1076.	1.08	0.65	24.	1100.
POLAND	80 819	4126N	12437W	27468.6	43834.3	14476.4	437.	3.000	2561.	0.85	1.03	79.	2640.

*** NOTE *** THE ACCURACY OF POSITION AND LORAN-C INFORMATION REPORTED IN THIS TABLE IS UNKNOWN. USE WITH CAUTION***

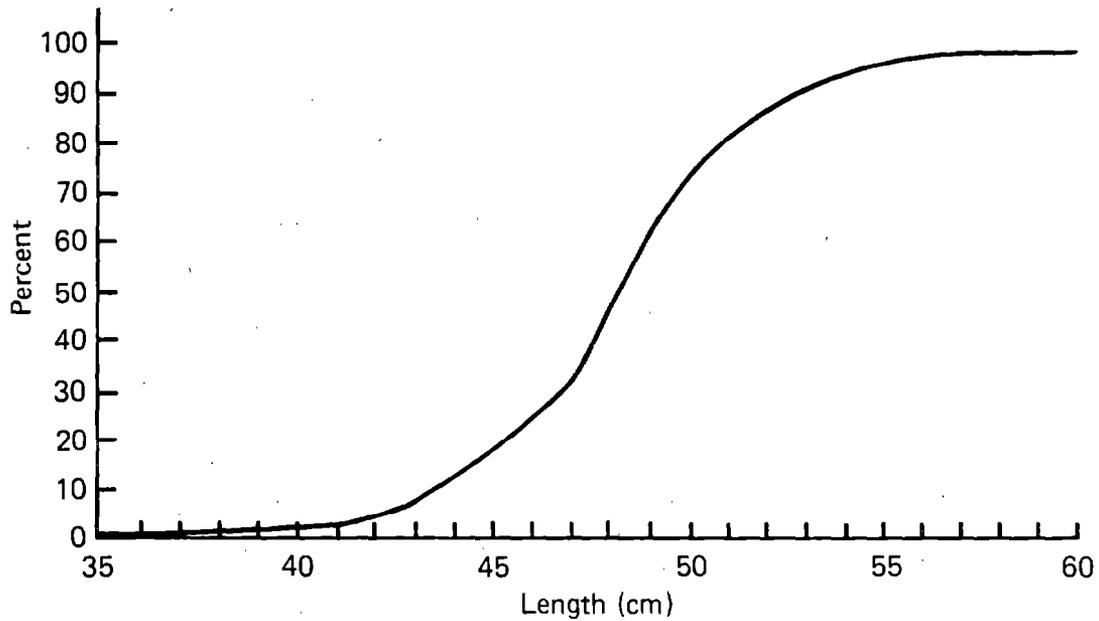
Appendix C

Cumulative length frequency curves for Pacific whiting.

Figures

- C-1 Cumulative length frequency curves for Pacific whiting in International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 and August 16-October 31, 1977-80.
- C-2 Cumulative length frequency curves for Pacific whiting in International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 and August 16-October 31, 1977-80.

**Cumulative length frequency for Pacific Whiting
taken in the Columbia area during June 1 to
August 15, 1977 to 1980.**



**Cumulative length frequency for Pacific Whiting
taken in the Columbia area during August 16 to
October 31, 1977 to 1980.**

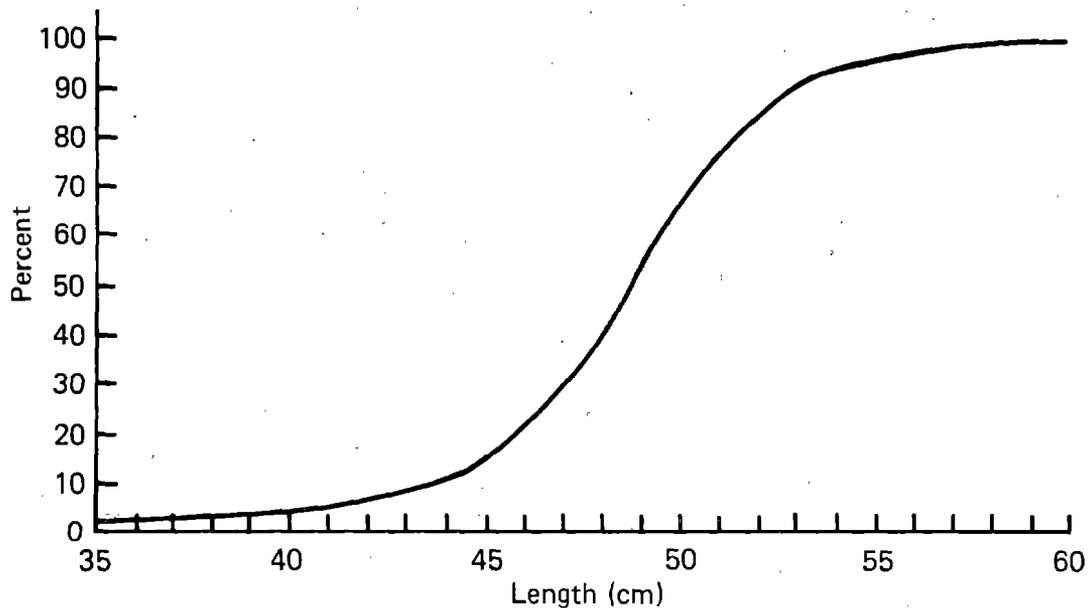
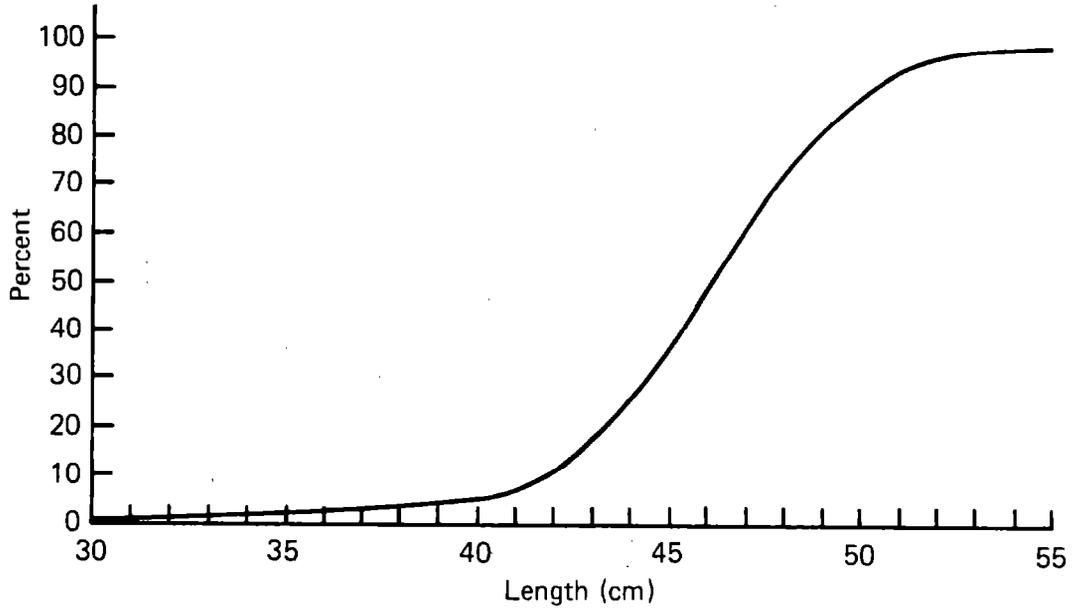


Figure C-1.--Cumulative length frequency curves for Pacific whiting in International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 and August 16-October 31, 1977-80.

**Cumulative length frequency for Pacific Whiting
taken in the Eureka area during June 1 to
August 15, 1977 to 1980.**



**Cumulative length frequency for Pacific Whiting
taken in the Eureka area during August 16 to
October 31, 1977 to 1980.**

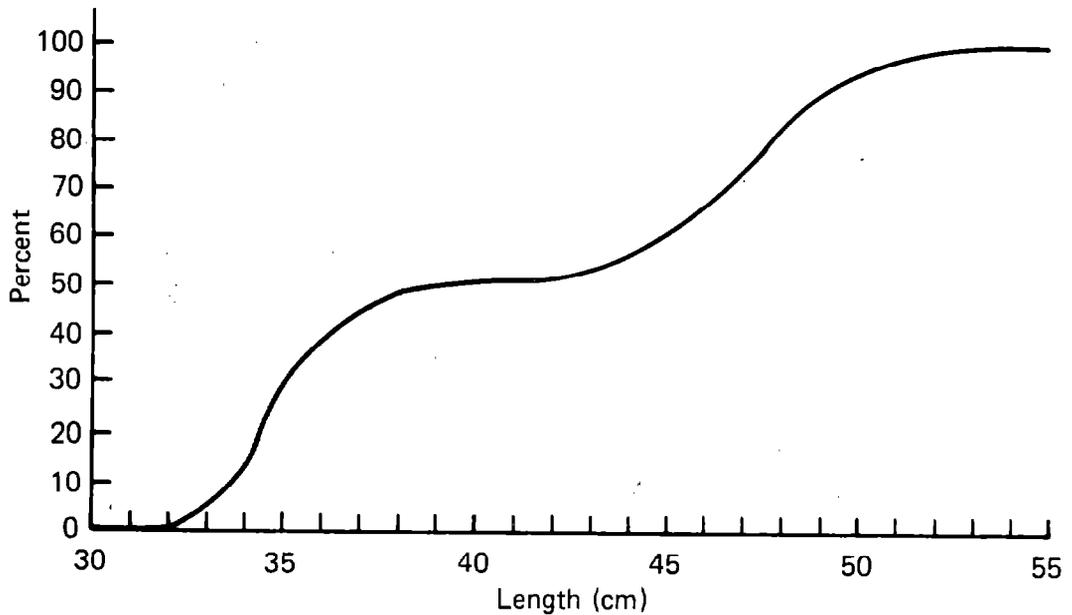


Figure C-2.--Cumulative length frequency curves for Pacific whiting in International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 and August 16-October 31, 1977-80.

Appendix D

Species composition of foreign catches in the Washington-California region, 1977-80.

Table

D-1	Species composition of Soviet catches-in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 11, 1977).
D-2	Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during August 16-October 31 (season 21, 1977).
D-3	Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 11, 1977).
D-4	Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during August 16-October 31 (season 21, 1977).
D-5	Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 11, 1977).
D-6	Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during August 16-October 31 (season 21, 1977).
D-7	Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 11, 1977).
D-8	Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1), 1978.
D-9	Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during August 16-October 31 (season 21, 1978).
D-10	Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 11, 1978).
D-11	Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 11, 1978).

Appendix D (Cont'd)

- D-12 Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during August 16-October 31 (season 2), 1978.
- D-13 Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 1), 1978.
- D-14 Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1), 1979.
- D-15 Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during August 16-October 31 (season 2), 1979.
- D-16 Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 1), 1979.
- D-17 Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during August 16-October 31 (season 2), 1979.
- D-18 Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1), 1979.
- D-19 Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during August 16-October 31 (season 2), 1979.
- D-20 Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 1), 1979.
- D-21 Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1), 1980.
- D-22 Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during August 16-October 31 (season 2), 1980.
- D-23 Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 1), 1980.
- D-24 Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during August 16-October 31 (season 2), 1980.

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 77 SEASON 1 AREA COLUMBIA LG FRZ TRAWL USSR DATE 6/ 2 TO 8/15 DAYS ON GROUND 262.905
 FISHING-DAYS 252 HAULS SAMPLED 356 TOTAL HOURS 1959.8 TONS OF SAMPLED HAULS 3147. TOTAL HAULS 1157.
 AVE DEPTH/HAUL 192.3 AVE MINUTES/HAUL 101.6 TOTAL CATCH TONS 8021.89 TOTAL SAMPLE TONS 2659.766

RANK	MEAN LB/CAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	60366.223	7937.908	8100.594810	0.98218429	1.59717	PACIFIC HAKE
2	590.285	77.594	79.184636	0.00960101	2.79944	WIDOW ROCKFISH
3	204.841	26.927	27.478737	0.00333175	4.30212	JACK MACKEREL
4	81.519	10.716	10.935446	0.00132591	5.04251	SABLEFISH (BLACK COD)
5	35.755	4.700	4.796449	0.00058156	1.65131	SPINY DOGFISH SHARK
6	19.034	2.502	2.553345	0.00030959	1.35003	PACIFIC OCEAN PERCH
7	18.968	2.493	2.544465	0.00030851	3.86924	YELLOWTAIL ROCKFISH
8	18.127	2.383	2.431718	0.00029484	2.66640	REDSTRIPE ROCKFISH
9	15.934	2.095	2.137443	0.00025916	9.79890	BACACCIO
10	14.358	1.893	1.931414	0.00023418	1.70436	CHILIPEPPER ROCKFISH
11	14.320	1.882	1.921038	0.00023292	9.46020	SQUID - UNIDENT.
12	14.209	1.868	1.906109	0.00023111	19.30733	LINGCOD
13	8.709	1.145	1.168298	0.00014165	0.91701	SHORTSPINE THORNYHEAD ROC
14	6.956	0.914	0.933090	0.00011314	1.76309	DARK BLOTCHED ROCKFISH
15	6.218	0.817	0.834188	0.00010114	1.05488	SPLITNOSE ROCKFISH
16	5.289	0.695	0.709457	0.00008602	2.84423	ARROWTOOTH FLOUNDER (TURB
17	4.829	0.635	0.647758	0.00007854	32.95600	RAGFISH
18	4.573	0.601	0.613482	0.00007438	3.20453	ROCKFISH - UNIDENT.
19	4.175	0.549	0.560087	0.00006791	8.00005	SALMON - UNIDENT.
20	4.042	0.531	0.542248	0.00006575	11.19729	KING-OF-THE-SALMON
21	3.776	0.365	0.372365	0.00004515	34.94276	PACIFIC HALIBUT
22	2.267	0.298	0.304077	0.00003687	16.57992	LONGNOSE SKATE
23	2.022	0.266	0.271302	0.00003289	2.85938	COPPER ROCKFISH
24	1.551	0.204	0.209017	0.00002522	1.71501	AMERICAN SHAD
25	1.523	0.200	0.204332	0.00002477	0.48708	REX SOLE
26	1.386	0.182	0.185939	0.00002254	4.05429	BROWN ROCKFISH
27	1.322	0.174	0.177276	0.00002149	4.53962	CANARY ROCKFISH
28	1.111	0.146	0.148996	0.00001807	1.56951	RED BANDED ROCKFISH
29	1.034	0.136	0.138733	0.00001682	35.27438	SHARK - UNIDENT.
30	0.877	0.115	0.117596	0.00001426	0.98870	DEEPSEA SOLE
31	0.851	0.112	0.114158	0.00001384	43.56000	BLUE SHARK
32	0.724	0.095	0.097155	0.00001178	4.94268	SILVERGRAY ROCKFISH
33	0.688	0.090	0.092259	0.00001119	1.41631	SHORTTRAKER ROCKFISH
34	0.561	0.074	0.075240	0.00000912	19.14000	BIG SKATE
35	0.513	0.067	0.068737	0.00000834	3.09734	BROWN CAT SHARK
36	0.484	0.064	0.064862	0.00000786	49.50000	SOUPFIN SHARK
37	0.457	0.060	0.061287	0.00000743	6.57242	PACIFIC COD
38	0.451	0.059	0.060536	0.00000734	3.01430	SKATE - UNIDENT.
39	0.440	0.058	0.059076	0.00000716	2.55715	GREENSTRIPED ROCKFISH
40	0.410	0.054	0.054978	0.00000667	20.90247	YELLOW EYE ROCKFISH (CRASPH

Table D-1.--Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1), 1977.

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
41	0.279	0.037	0.037476	0.00000454	1.58889	SHARPCHIN ROCKFISH
42	0.258	0.034	0.034593	0.00000419	5.28000	ROSY ROCKFISH
43	0.244	0.032	0.032733	0.00000397	2.17021	FLATFISH - UNIDENT.
44	0.236	0.031	0.031710	0.00000384	4.84000	PINK ROSE ROCKFISH
45	0.153	0.020	0.020540	0.00000249	2.67701	VERMILION ROCKFISH
46	0.086	0.011	0.011540	0.00000140	8.80000	GREENLAND HALIBUT (TURBOT
47	0.084	0.011	0.011300	0.00000137	1.72480	BLACK SKATE (SANDPAPER -
48	0.080	0.011	0.010764	0.00000131	0.08229	EULACHON (CANDLEFISH)
49	0.066	0.009	0.008871	0.00000108	0.93561	RATFISH
50	0.065	0.009	0.008676	0.00000105	1.02300	YELLOWMOUTH ROCKFISH
51	0.045	0.006	0.006031	0.00000073	0.57723	LONGSPINE THORNYHEAD ROCK
52	0.037	0.005	0.004901	0.00000059	0.10686	NIGHT SMELT
53	0.022	0.003	0.002941	0.00000036	2.24400	WALLEYE POLLOCK
54	0.011	0.001	0.001528	0.00000019	1.16600	ROUGHEYE ROCKFISH
55	0.011	0.001	0.001441	0.00000017	1.10000	CRAB - UNIDENT.
56	0.009	0.001	0.001211	0.00000015	0.92400	PROWFISH
57	0.005	0.001	0.000721	0.00000009	0.18333	PACIFIC LAMPREY
58	0.005	0.001	0.000656	0.00000008	0.11000	SLENDER SOLE
59	0.005	0.001	0.000663	0.00000008	0.50600	BLACKTAIL SNAILFISH
60	0.002	0.000	0.000288	0.00000003	0.07333	SURF SMELT
61	0.001	0.000	0.000144	0.00000002	0.11000	NORTHERN ANCHOVY
TOTAL	61481.557					

Table D-1.--(continued)

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 77 SEASON 2 AREA COLUMBIA LG FRZ TRAWL USSR DATE 8/16 TO 9/22 DAYS ON GROUNDS 251.097
 FISHING-DAYS 238 HAULS SAMPLED 430 TOTAL HOURS 2574.9 TONS OF SAMPLED HAULS 3460. TOTAL HAULS 1322.
 AVE DEPTH/HAUL 261.4 AVE MINUTES/HAUL 116.9 TOTAL CATCH TONS 8539.87 TOTAL SAMPLE TONS 2549.095

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	63988.112	8033.595	6239.968453	0.94071675	1.64298	PACIFIC HAKE
2	3295.035	413.686	321.323998	0.04844173	4.97909	JACK HACKEREL
3	244.588	30.758	23.890694	0.00360168	5.02776	SABLEFISH
4	93.212	11.703	9.089772	0.00137034	7.74227	SQUID - UNIDENT.
5	58.701	7.370	5.724338	0.00086298	3.29705	WIDOW ROCKFISH
6	42.610	5.350	4.155186	0.00062642	2.89617	ROCKFISH - UNIDENT.
7	40.124	5.038	3.912806	0.00058988	1.82565	SPINY DOGFISH SHARK
8	35.568	4.465	3.468486	0.00052290	6.24655	SALMON - UNIDENT.
9	32.442	4.073	3.163626	0.00047694	471.42857	THRESHER SHARK
10	25.761	3.234	2.512176	0.00037873	1.78607	DARK BLOTCHED ROCKFISH
11	22.733	2.854	2.216832	0.00033420	1.53827	PACIFIC OCEAN PERCH
12	13.554	1.702	1.321787	0.00019927	5.07791	CANARY ROCKFISH
13	12.807	1.608	1.248864	0.00018827	1.04042	SPLITNOSE ROCKFISH
14	12.703	1.595	1.238811	0.00018676	4.79294	ARROWTOOTH FLOUNDER (TURB
15	10.880	1.366	1.060990	0.00015995	18.13223	LINGCOD
16	9.543	1.198	0.930658	0.00014030	1.07793	SHORTSPINE THORNYHEAD ROC
17	8.547	1.073	0.833503	0.00012566	6.15053	BOCACCIO
18	8.175	1.026	0.797234	0.00012019	63.96923	RAGFISH
19	7.784	0.977	0.759077	0.00011444	16.43251	LONGNOSE SKATE
20	7.045	0.885	0.687049	0.00010358	2.92302	REDSTRIPE ROCKFISH
21	5.016	0.630	0.489140	0.00007374	3.73786	CHILIPEPPER ROCKFISH
22	3.798	0.477	0.370325	0.00005583	1.35348	BROWN CAT SHARK
23	3.761	0.472	0.366796	0.00005530	11.49886	KING-OF-THE-SALMON
24	3.476	0.436	0.339012	0.00005111	1.05287	GREENSTRIPED ROCKFISH
25	2.778	0.349	0.270943	0.00004085	3.76826	YELLOWMOUTH ROCKFISH
26	2.508	0.315	0.244587	0.00003687	4.87043	YELLOWTAIL ROCKFISH
27	2.419	0.304	0.235870	0.00003556	30.77996	BIG SKATE
28	2.418	0.304	0.235829	0.00003555	3.27718	RED BANDED ROCKFISH
29	2.198	0.276	0.214368	0.00003232	0.48145	REX SOLE
30	1.569	0.197	0.152983	0.00002306	2.57001	AMERICAN SHAD
31	1.480	0.186	0.144367	0.00002176	11.58385	SKATE - UNIDENT.
32	1.473	0.185	0.143674	0.00002166	1.31854	DOVER SOLE
33	1.309	0.164	0.127623	0.00001924	38.03257	BLUE SHARK
34	1.249	0.157	0.121781	0.00001836	1.72174	AURORA ROCKFISH
35	1.222	0.153	0.119148	0.00001796	18.62076	PACIFIC ELECTRIC RAY
36	1.222	0.153	0.119121	0.00001796	6.21280	YELLOW EYE ROCKFISH (CRASP)
37	1.146	0.144	0.111781	0.00001685	58.30000	PACIFIC HALIBUT
38	1.019	0.128	0.099397	0.00001498	2.65200	BLACK SKATE (SANDPAPER -
39	0.984	0.124	0.095963	0.00001447	3.45172	DUSKY ROCKFISH
40	0.562	0.121	0.093791	0.00001414	25.96000	SCULPIN - UNIDENT.

Table D-2. --Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during August 16-October 31 (season 2), 1977.

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
41	0.828	0.104	0.080778	0.00001218	4.95647	BLACK ROCKFISH
42	0.825	0.104	0.080409	0.00001212	5.36800	ROUGHEYE ROCKFISH
43	0.744	0.093	0.072514	0.00001093	5.61000	SHORTRAKER ROCKFISH
44	0.700	0.088	0.068291	0.00001030	1.98590	COPPER ROCKFISH
45	0.607	0.076	0.059170	0.00000892	1.83565	SEA ANEMONE - UNIDENT.
46	0.560	0.070	0.054625	0.00000824	3.56125	SILVERGRAY ROCKFISH
47	0.455	0.057	0.044363	0.00000669	10.92675	GIANT WRYMOUTH
48	0.454	0.057	0.044291	0.00000668	0.03850	SEA PEN, SEA WHIP - UNIDE
49	0.445	0.056	0.043354	0.00000654	2.69630	RATFISH
50	0.355	0.045	0.034589	0.00000521	1.80400	FLATFISH - UNIDENT.
51	0.288	0.036	0.028051	0.00000423	3.53033	PETRALE SOLE
52	0.206	0.026	0.020120	0.00000303	1.00604	LONGSPINE THORNYHEAD ROCK
53	0.194	0.024	0.018886	0.00000285	5.77318	PACIFIC COD
54	0.184	0.023	0.017927	0.00000270	0.05054	STARFISH - UNIDENT.
55	0.162	0.020	0.015818	0.00000238	0.11000	VIPERFISH - UNIDENT.
56	0.153	0.019	0.014941	0.00000225	2.02033	SHARK - UNIDENT.
57	0.135	0.017	0.013182	0.00000199	1.52778	VERMILION ROCKFISH
58	0.130	0.016	0.012655	0.00000191	3.29996	ENGLISH SOLE (LEMON SOLE)
59	0.108	0.014	0.010545	0.00000159	11.00000	WOLF-EEL
60	0.090	0.011	0.008818	0.00000133	1.27775	JELLYFISH - UNIDENT.
61	0.088	0.011	0.008615	0.00000130	0.08875	PACIFIC HERRING
62	0.084	0.011	0.008227	0.00000124	8.58000	PRONFISH
63	0.084	0.010	0.008155	0.00000123	4.07726	WALLEYE POLLOCK
64	0.038	0.005	0.003746	0.00000056	0.19725	EELPOUT - UNIDENT.
65	0.037	0.005	0.003652	0.00000055	0.73278	BLACKTAIL SNAILFISH
66	0.037	0.005	0.003628	0.00000055	0.77000	FLATHEAD SOLE
67	0.035	0.004	0.003455	0.00000052	2.20000	CRAB - UNIDENT.
68	0.035	0.004	0.003417	0.00000052	0.04882	EULACHON (CANDLEFISH)
69	0.032	0.004	0.003164	0.00000048	0.06600	SEA CUCUMBER - UNIDENT.
70	0.026	0.003	0.002489	0.00000038	0.28844	NORTHERN ANCHOVY
71	0.024	0.003	0.002362	0.00000036	0.19453	HAGFISH - UNIDENT.
72	0.023	0.003	0.002215	0.00000033	1.15500	SLENDER SOLE
73	0.020	0.003	0.001977	0.00000030	1.10000	LIPARIS MEGACEPHALUS
74	0.012	0.002	0.001171	0.00000018	0.44000	SNAILFISH - UNIDENT.
75	0.012	0.001	0.001160	0.00000017	1.21000	MEOUSAFISH
76	0.009	0.001	0.000899	0.00000014	0.16251	PACIFIC SANDAB
77	0.009	0.001	0.000844	0.00000013	0.44000	SHARPCHIN ROCKFISH
78	0.005	0.001	0.000527	0.00000008	0.55000	MANEFISH
79	0.005	0.001	0.000509	0.00000008	0.22000	SEA SLUG (NUDIBRANCH)
80	0.005	0.001	0.000489	0.00000007	0.33000	PACIFIC LAMPREY
81	0.004	0.001	0.000422	0.00000006	0.44000	CALIFORNIA TONGUEFISH
82	0.004	0.000	0.000360	0.00000005	0.11000	RATTAIL - UNIDENT.
83	0.002	0.000	0.000236	0.00000004	0.11000	OCTOPUS - UNIDENT.
84	0.002	0.000	0.000211	0.00000003	0.11000	LONGFIN DRAGONFISH
85	0.001	0.000	0.000079	0.00000001	0.02200	DUNGENESS CRAB

TOTAL 68020.590

Table D-2.--(continued)

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 77 SEASON 1 AREA EUREKA LG FRZ TRAWL USSR DATE 6/ 2 TO 8/15 DAYS ON GROUNDS 173.507
 FISHING-DAYS 186 HAULS SAMPLED 270 TOTAL HOURS 1734.1 TONS OF SAMPLED HAULS 2572. TOTAL HAULS 927.
 AVE DEPTH/HAUL 211.6 AVE MINUTES/HAUL 112.2 TOTAL CATCH TONS 7169.93 TOTAL SAMPLE TONS 2129.542

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	81932.767	7107.934	8197.678532	0.99135288	1.50589	PACIFIC HAKE
2	399.753	34.680	39.996820	0.00483685	3.89421	JACK MACKEREL
3	141.556	12.315	14.203247	0.00171761	1.48950	SPINY DOGFISH SHARK
4	78.330	6.795	7.837207	0.00094776	3.14530	WIDOW ROCKFISH
5	20.525	1.815	2.093520	0.00025318	45.40965	RAGFISH
6	19.678	1.707	1.968816	0.00023809	4.69443	SQUID - UNIDENT.
7	18.583	1.612	1.859255	0.00022484	8.65221	KING-OF-THE-SALMON
8	18.288	1.587	1.829750	0.00022127	7.60305	SALMON - UNIDENT.
9	6.133	0.532	0.613666	0.00007421	54.52857	BIG SKATE
10	3.645	0.334	0.384711	0.00004652	6.79923	BQCACCIO
11	1.768	0.153	0.176920	0.00002140	3.14411	PACIFIC OCEAN PERCH
12	1.483	0.129	0.148376	0.00001794	13.67259	LINGCOD
13	0.983	0.085	0.098312	0.00001189	1.60947	SPLITNOSE ROCKFISH
14	0.848	0.074	0.084888	0.00001027	26.40000	LONGNOSE SKATE
15	0.460	0.040	0.045981	0.00000556	28.60000	SKATE - UNIDENT.
16	0.378	0.033	0.037828	0.00000457	2.35290	DARK BLOTCHED ROCKFISH
17	0.309	0.027	0.030949	0.00000374	4.81250	YELLOWTAIL ROCKFISH
18	0.216	0.019	0.021576	0.00000261	13.42000	YELLOWEYE ROCKFISH (RASPH)
19	0.166	0.014	0.016624	0.00000201	3.44667	SABLEFISH (BLACK COD)
20	0.111	0.010	0.011080	0.00000134	2.23508	BROWN CAT SHARK
21	0.106	0.009	0.010603	0.00000128	4.40000	PACIFIC COD
22	0.072	0.006	0.007251	0.00000088	4.51000	CANARY ROCKFISH
23	0.070	0.006	0.006984	0.00000084	2.02135	ROCKFISH - UNIDENT.
24	0.064	0.006	0.006367	0.00000077	3.96000	CHILIPEPPER ROCKFISH
25	0.041	0.004	0.004143	0.00000050	1.06118	BARRACUDINA - UNIDENT.
26	0.026	0.002	0.002617	0.00000032	1.62800	JELLYFISH - UNIDENT.
27	0.022	0.002	0.002193	0.00000027	1.36400	SHORTBELLY ROCKFISH
28	0.016	0.001	0.001592	0.00000019	0.99000	PROWFISH
29	0.014	0.001	0.001415	0.00000017	0.88000	MISC - UNIDENT.
30	0.010	0.001	0.000990	0.00000012	0.30800	WOLF-EEL
31	0.003	0.000	0.000258	0.00000003	0.07480	PACIFIC LAMPREY
TOTAL 82647.423						

Table D-3. --Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 1), 1977.

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 77	SEASON	2	AREA EUREKA	LG FRZ TRAWL	USSR	DATE 8/16 TO 9/ 3	DAYS ON GROUNDS	2.903	
FISHING-DAYS	7	HAULS SAMPLED	4	TOTAL HOURS	12.2	TONS OF SAMPLED HAULS	40.	TOTAL HAULS	9.
AVE DEPTH/HAUL	336.7	AVE MINUTES/HAUL	81.1	TOTAL CATCH TONS	70.40	TOTAL SAMPLE TONS	7.643		

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	48319.663	70.134	11528.806761	0.99621555	1.45424	PACIFIC HAKE
2	54.324	0.079	12.961315	0.00112000	3.16800	PACIFIC POMFRET
3	39.513	0.057	9.427468	0.00081464	13.42000	SALMON - UNIDENT.
4	30.180	0.044	7.200731	0.00062222	1.76000	BROWN CAT SHARK
5	24.521	0.036	5.850594	0.00050556	0.47667	SQUID - UNIDENT.
6	16.222	0.024	3.870393	0.00033444	0.94600	RATFISH
7	14.910	0.022	3.557449	0.00030740	2.53000	WIDOW ROCKFISH
8	3.890	0.006	0.928030	0.00008019	1.32000	SPINY DOGFISH SHARK
TOTAL	48503.221					

Table D-4.--Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during August 16-October 31 (season 2), 1977.

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 77 SEASON 1 AREA COLUMBIA LG FRZ TRAWL POLAND DATE 6/15 TO 8/15 DAYS ON GROUNDS 36.556
 FISHING-DAYS 49 HAULS SAMPLED 76 TOTAL HOURS 438.1 TONS OF SAMPLED HAULS 905. TOTAL HAULS 167.
 AVE DEPTH/HAUL 113.7 AVE MINUTES/HAUL 157.4 TOTAL CATCH TONS 1566.11 TOTAL SAMPLE TONS 580.613

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	85313.066	1559.365	7118.762949	0.99569412	1.49567	PACIFIC HAKE
2	117.582	2.149	9.811347	0.00137230	3.01482	WIDOW ROCKFISH
3	78.802	1.440	6.575484	0.00091971	3.74909	JACK MACKEREL
4	50.489	0.923	4.212969	0.00058926	5.37083	SCUID - UNIDENT.
5	21.386	0.391	1.784523	0.00024960	13.79666	SALMON - UNIDENT.
6	17.569	0.321	1.465977	0.00020504	12.09649	KING-OF-THE-SALMON
7	15.776	0.288	1.316370	0.00018412	4.84000	MISC - UNIDENT.
8	14.442	0.264	1.205081	0.00016855	7.28266	BOCACCIO
9	8.518	0.156	0.710741	0.00009941	3.59036	SILVERGRAY ROCKFISH
10	7.739	0.141	0.645744	0.00009032	4.67029	CANARY ROCKFISH
11	7.319	0.134	0.610717	0.00008542	1.58938	SPINY DOGFISH SHARK
12	5.690	0.104	0.474809	0.00006641	14.80431	LINGCOD
13	4.817	0.088	0.401960	0.00005622	10.17500	SABLEFISH (BLACK COD)
14	4.476	0.082	0.373510	0.00005224	8.13392	ARROWTOOTH FLOUNDER (TURB
15	3.359	0.061	0.280286	0.00003920	17.73750	RAGFISH
16	3.140	0.057	0.262035	0.00003665	4.73786	YELLOWTAIL ROCKFISH
17	2.630	0.048	0.219449	0.00003069	1.35488	REDSTRIPE ROCKFISH
18	2.239	0.041	0.186857	0.00002614	23.65000	BIG SKATE
19	1.307	0.024	0.109072	0.00001526	1.84067	PACIFIC OCEAN PERCH
20	0.552	0.010	0.046062	0.00000644	5.83000	WALLEYE POLLOCK
21	0.437	0.008	0.036502	0.00000511	1.54000	DARK BLOTCHED ROCKFISH
22	0.266	0.005	0.022162	0.00000310	2.80500	STEELHEAD
23	0.161	0.003	0.013471	0.00000168	1.70500	RATFISH
24	0.149	0.003	0.012428	0.00000174	1.04867	CHILIPEPPER ROCKFISH
25	0.057	0.001	0.004780	0.00000067	1.21000	ROCKFISH - UNIDENT.
26	0.032	0.001	0.002678	0.00000037	0.12697	RAINBOW SMELT
TOTAL	85682.002					

176

Table D-5.--Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1), 1977.

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 77 SEASON 2 AREA COLUMBIA LG FRZ TRAWL POLAND DATE 8/16 TO 10/24 DAYS ON GROUNDS 76.223
 FISHING-DAYS 76 HAULS SAMPLED 100 TOTAL HOURS 911.3 TONS OF SAMPLED HAULS 1600. TOTAL HAULS 260.
 AVE DEPTH/HAUL 222.2 AVE MINUTES/HAUL 210.3 TOTAL CATCH TONS 3347.22 TOTAL SAMPLE TONS 1061.598

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	83093.477	3166.796	6949.808954	0.94609659	1.65129	PACIFIC HAKE
2	3777.998	143.984	315.985967	0.04301603	3.22016	JACK MACKEREL
3	372.858	14.210	31.185250	0.00424533	2.96775	WIDOW ROCKFISH
4	118.564	4.534	9.949977	0.00135452	3.79979	YELLOWTAIL ROCKFISH
5	114.371	4.359	9.565830	0.00130222	5.36991	SABLEFISH (BLACK COD)
6	54.511	2.077	4.559233	0.00062066	5.41095	ROUGHEYE ROCKFISH
7	51.351	1.957	4.294907	0.00058468	6.98615	SQUID - UNIDENT.
8	43.970	1.676	3.677527	0.00050064	5.38514	SHORTRAKER ROCKFISH
9	29.280	1.116	2.448892	0.00033337	6.57957	SALMON - UNIDENT.
10	28.196	1.075	2.358290	0.00032104	1.74079	PACIFIC OCEAN PERCH
11	23.548	0.913	2.002952	0.00027267	0.99734	SPLITNOSE ROCKFISH
12	15.759	0.601	1.318022	0.00017943	4.87460	CANARY ROCKFISH
13	14.878	0.567	1.244368	0.00016940	11.25319	BOCACCIO
14	14.308	0.545	1.196658	0.00016290	2.10295	SPINY DOGFISH SHARK
15	11.174	0.426	0.934544	0.00012722	0.78660	SHORTSPINE THORNYHEAD ROC
16	10.973	0.418	0.917726	0.00012493	4.65158	RED BANDED ROCKFISH
17	10.775	0.411	0.901161	0.00012268	3.98401	ARROWTOOTH FLOUNDER (TURB
18	9.193	0.350	0.768849	0.00010467	17.43789	LINGCOD
19	5.609	0.214	0.469130	0.00006386	5.11334	SILVERGRAY ROCKFISH
20	4.822	0.184	0.403317	0.00005490	4.26004	DUSKY ROCKFISH
21	3.716	0.142	0.310840	0.00004232	1.15894	REDSTRIPE ROCKFISH
22	3.410	0.130	0.285227	0.00003883	7.58583	OCEAN SUNFISH
23	2.711	0.103	0.226733	0.00003087	1.54161	DARK BLOTCHED ROCKFISH
24	2.438	0.093	0.203935	0.00002776	2.46703	AMERICAN SHAD
25	1.582	0.060	0.132354	0.00001802	28.82000	BIG SKATE
26	1.293	0.049	0.108106	0.00001472	0.85600	GREENSTRIPED ROCKFISH
27	1.270	0.048	0.106245	0.00001446	1.99235	JELLYFISH - UNIDENT.
28	0.793	0.030	0.066312	0.00000903	5.68069	YELLOWEYE ROCKFISH (RASPH
29	0.613	0.023	0.051295	0.00000698	5.99969	ROCKFISH - UNIDENT.
30	0.585	0.022	0.048961	0.00000667	19.36000	KING-OF-THE-SALMON
31	0.580	0.022	0.048551	0.00000661	21.12000	LONGNOSE SKATE
32	0.290	0.011	0.024281	0.00000331	2.00989	AURORA ROCKFISH
33	0.278	0.011	0.023284	0.00000317	0.27411	PACIFIC HERRING
34	0.255	0.010	0.021291	0.00000290	2.90400	WALLEYE POLLUCK
35	0.236	0.009	0.019701	0.00000268	8.58000	GIANT WRYMOUTH
36	0.226	0.009	0.018861	0.00000257	2.49984	BROWN CAT SHARK
37	0.173	0.007	0.014476	0.00000197	0.34696	REX SOLE
38	0.165	0.006	0.013771	0.00000187	2.96649	SEA ANEMONE - UNIDENT.
39	0.136	0.005	0.011368	0.00000155	1.10000	SKATE - UNIDENT.
40	0.091	0.003	0.007628	0.00000104	0.30200	PACIFIC SANDA

Table D-6. --Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during August 16-October 31 (season 2), 1977.

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
41	0.088	0.003	0.007358	0.00000100	1.51606	PACIFIC LAMPREY
42	0.079	0.003	0.006567	0.00000089	2.86000	GREENLAND HALIBUT (TURBOT)
43	0.074	0.003	0.006231	0.00000085	1.29800	FROSTFISH
44	0.063	0.002	0.005304	0.00000072	0.57750	ENGLISH SOLE (LEMON SOLE)
45	0.037	0.001	0.003128	0.00000043	0.14667	RAINBOW SMELT
46	0.034	0.001	0.002879	0.00000039	0.62700	DOVER SOLE
47	0.019	0.001	0.001617	0.00000022	0.35200	FLATHEAD SOLE
48	C.C17	0.001	0.001435	0.00000020	0.04400	HAGFISH - UNIDENT.
49	C.C10	0.000	0.000871	0.00000012	0.22000	BLACKTAIL SNAILFISH
50	0.007	0.000	0.000597	0.00000008	0.11000	NIGHT SMELT
51	0.003	0.000	0.000253	0.00000003	0.11000	SKATE EGG CASE - UNIDENT.
TOTAL		87827.689				

Table D-6--(continued)

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 77 SEASON 1 AREA EUREKA LG FRZ TRAWL POLAND DATE 6/ 2 TO 8/ 7 DAYS ON GROUNDS 88.369
 FISHING-DAYS 105 HAULS SAMPLED 166 TOTAL HOURS 945.7 TONS OF SAMPLED HAULS 1675. TOTAL HAULS 392.
 AVE DEPTH/HAUL 90.7 AVE MINUTES/HAUL 144.8 TOTAL CATCH TONS 3189.52 TOTAL SAMPLE TONS 939.981

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	70851.160	3130.530	6620.956526	0.98150633	1.46913	PACIFIC HAKE
2	491.388	21.712	45.916884	0.00680724	3.96135	JACK MACKEREL
3	489.662	21.636	45.755545	0.00678332	2.00301	WIDOW ROCKFISH
4	214.512	9.478	20.044644	0.00297165	1.60042	SPINY DOGFISH SHARK
5	106.802	4.719	9.979912	0.00147954	2.77072	YELLOWTAIL ROCKFISH
6	13.468	0.595	1.258450	0.00018657	6.51065	KING-OF-THE-SALMON
7	8.596	0.380	0.803225	0.00011908	7.31909	SALMON - UNIDENT.
8	5.637	0.249	0.526775	0.00007810	2.47885	SQUID - UNIDENT.
9	1.658	0.073	0.154958	0.00002297	77.00000	LONGNOSE SKATE
10	1.517	0.067	0.141752	0.00002101	70.40000	BIG SKATE
11	0.649	0.029	0.060687	0.00000900	6.02823	RAGFISH
12	0.410	0.018	0.038314	0.00000568	3.17167	STEELHEAD
13	0.299	0.013	0.027908	0.00000414	13.86000	SKATE - UNIDENT.
14	0.166	0.007	0.015496	0.00000230	7.70000	BACACCIO
15	0.152	0.007	0.014175	0.00000210	7.04000	SABLEFISH (BLACK COD)
16	0.071	0.003	0.006644	0.00000098	3.30000	DARK BLOTCHED ROCKFISH
TOTAL						72186.146

Table D-7.--Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 1), 1977.

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 78 SEASON 1 AREA COLUMBIA LG FRZ TRAWL USSR DATE 6/ 1 TO 8/15 DAYS ON GROUNDS 363.597
 FISHING-DAYS 335 HAULS SAMPLED 645 TOTAL HOURS 3072.1 TONS OF SAMPLED HAULS 5779. TOTAL HAULS 1615.
 AVE DEPTH/HAUL 143.3 AVE MINUTES/HAUL 114.1 TOTAL CATCH TONS 12276.96 TOTAL SAMPLE TONS 4927.342

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	65970.119	11993.265	7807.946004	0.97689208	1.63102	PACIFIC HAKE
2	509.862	92.692	60.345127	0.00755009	2.90158	WIDOW ROCKFISH
3	407.676	74.115	48.250819	0.00603691	3.94159	JACK MACKEREL
4	259.388	54.428	35.434309	0.00443337	3.76424	YELLOWTAIL ROCKFISH
5	82.166	14.938	9.724792	0.00121672	1.73361	SABLEFISH (BLACK COD)
6	44.826	8.149	5.305455	0.00066379	2.17197	PACIFIC OCEAN PERCH
7	37.520	6.821	4.440710	0.00055560	5.73232	BOCACCID
8	37.413	6.802	4.428052	0.00055402	4.94624	YELLOWMOUTH ROCKFISH
9	30.014	5.456	3.552292	0.00044445	4.82589	CANARY ROCKFISH
10	19.614	3.566	2.321376	0.00029044	2.30571	OLIVE ROCKFISH
11	17.853	3.246	2.113002	0.00026437	8.98029	SALMON - UNIDENT.
12	14.077	2.559	1.666086	0.00020845	1.19944	REDSTRIPE ROCKFISH
13	10.056	1.836	1.194965	0.00014951	1.30912	SQUID - UNIDENT.
14	9.868	1.794	1.167933	0.00014613	4.50469	JELLYFISH - UNIDENT.
15	6.541	1.189	0.774198	0.00009686	1.84732	WALLEYE POLLOCK
16	4.566	0.903	0.587699	0.00007353	15.73556	LINGCOD
17	3.275	0.595	0.387640	0.00004850	2.59623	VERMILION ROCKFISH
18	2.619	0.476	0.309999	0.00003879	12.06996	PACIFIC HALIBUT
19	2.463	0.448	0.291458	0.00003647	20.84103	LONGNOSE SKATE
20	2.460	0.447	0.291097	0.00003642	46.77464	BLUE SHARK
21	2.121	0.386	0.251082	0.00003141	0.25812	PACIFIC HERRING
22	1.727	0.314	0.204437	0.00002558	6.60636	SHORTTRAKER ROCKFISH
23	1.443	0.262	0.170822	0.00002137	1.91502	AMERICAN SHAD
24	1.409	0.256	0.166730	0.00002086	0.72846	SHORTSPINE THORNYHEAD ROC
25	1.061	0.193	0.125535	0.00001571	2.13049	SPINY DOGFISH SHARK
26	0.876	0.159	0.103729	0.00001298	2.72846	CHILIPEPPER ROCKFISH
27	0.822	0.149	0.097325	0.00001218	3.36361	BLACK ROCKFISH
28	0.705	0.128	0.083471	0.00001044	2.23544	SPLITNOSE ROCKFISH
29	0.678	0.123	0.080246	0.00001004	4.00172	ARROWTOOTH FLOUNDER (TURB
30	0.558	0.109	0.070723	0.00000885	3.40927	RED BANDED ROCKFISH
31	0.502	0.091	0.059473	0.00000744	2.04849	GREENSTRIPED ROCKFISH
32	0.374	0.062	0.044269	0.00000554	10.67000	ROUGH EYE ROCKFISH
33	0.374	0.068	0.044253	0.00000554	1.64097	DARK BLOTCHED ROCKFISH
34	0.373	0.068	0.044116	0.00000552	4.25333	BROWN ROCKFISH
35	0.366	0.067	0.043294	0.00000542	28.77764	SOUPFIN SHARK
36	0.362	0.066	0.042899	0.00000537	0.11404	EULACHON (CANDLEFISH)
37	0.334	0.061	0.039552	0.00000495	4.39997	SILVERGRAY ROCKFISH
38	0.326	0.059	0.038609	0.00000483	1.24080	DOVER SOLE
39	0.308	0.056	0.036510	0.00000457	26.40000	SHARK - UNIDENT.
40	0.250	0.053	0.034380	0.00000430	3.55143	BLACK SKATE (SANDPAPER -

Table D-8.--Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1), 1978.

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
41	0.273	0.050	0.032327	0.00000404	0.95408	STARFISH - UNIDENT.
42	0.270	0.049	0.031990	0.00000400	2.69933	ROCKFISH - UNIDENT.
43	0.193	0.035	0.022219	0.00000285	0.01320	NORTHERN ANCHOVY
44	0.179	0.032	0.021145	0.00000265	15.29000	SCULPIN - UNIDENT.
45	0.178	0.032	0.021122	0.00000264	2.00555	PACIFIC COD
46	0.170	0.031	0.020159	0.00000252	2.91484	DEESEA SKATE
47	0.161	0.029	0.019092	0.00000239	13.80500	BIG SKATE
48	0.149	0.027	0.017647	0.00000221	6.38000	PACIFIC TOMCOD
49	0.128	0.023	0.015136	0.00000189	2.43222	BIRDS - UNIDENT.
50	0.116	0.021	0.013691	0.00000171	2.20000	DUNGENESS CRAB
51	C.C50	0.016	0.010649	0.00000133	15.40000	ROUNDFISH - UNIDENT.
52	C.078	0.014	0.009234	0.00000116	2.22567	PACIFIC SARDINE
53	C.072	0.013	0.008580	0.00000107	0.06363	SMELT - UNIDENT.
54	0.072	0.013	0.008519	0.00000107	12.32000	SKATE - UNIDENT.
55	C.071	0.013	0.008367	0.00000105	0.37813	REX SOLE
56	0.061	0.011	0.007226	0.00000090	0.55000	HAGFISH - UNIDENT.
57	0.058	0.011	0.006846	0.00000086	9.90000	KING-OF-THE-SALMON
58	0.053	0.010	0.006283	0.00000079	0.01545	SHRIMP - UNIDENT.
59	C.C51	0.009	0.006065	0.00000076	8.80000	FROSTFISH
60	C.046	0.008	0.005477	0.00000069	7.92000	SKATE EGG CASE - UNIDENT.
61	0.045	0.008	0.005355	0.00000067	7.74400	BANK ROCKFISH
62	0.035	0.006	0.004138	0.00000052	0.13008	PACIFIC LAMPREY
63	0.025	0.005	0.002951	0.00000037	4.26800	MISC - UNIDENT.
64	0.023	0.004	0.002738	0.00000034	3.96000	YELLOWEYE ROCKFISH (RASPH
65	C.C22	0.004	0.002647	0.00000033	1.91400	BROWN CAT SHARK
66	C.019	0.004	0.002282	0.00000029	0.06600	BLACKSMELT, EARED (POPEYE
67	C.017	0.003	0.001978	0.00000025	1.43000	RATFISH
68	C.C14	0.003	0.001673	0.00000021	2.42000	DUSKY ROCKFISH
69	0.013	0.002	0.001521	0.00000019	2.20000	BOX CRAB
70	C.C09	0.002	0.001110	0.00000014	0.06983	NIGHT SMELT
71	0.008	0.001	0.000913	0.00000011	1.32000	SEA ANEMONE - UNIDENT.
72	C.C08	0.001	0.000913	0.00000011	1.32000	SEA CUCUMBER - UNIDENT.
73	0.006	0.001	0.000685	0.00000009	0.24750	OCTOPUS - UNIDENT.
74	0.005	0.001	0.000609	0.00000008	0.88000	PACIFIC SAURY
75	C.C04	0.001	0.000532	0.00000007	0.25667	EELPOUT - UNIDENT.
76	0.004	0.001	0.000532	0.00000007	0.77000	ENGLISH SOLE (LEMON SOLE)
77	0.004	0.001	0.000532	0.00000007	0.77000	GREENSPOTTED ROCKFISH
78	0.003	0.001	0.000380	0.00000005	0.55000	FLATHEAD SOLE
79	0.001	0.000	0.000152	0.00000002	0.22000	FLATFISH - UNIDENT.
80	0.001	0.000	0.000152	0.00000002	0.22000	GREENLAND HALIBUT (TURBOT
81	0.001	0.000	0.000061	0.00000001	0.00733	CALIFORNIA HEADLIGHTFISH
82	0.000	0.000	0.000030	0.00000000	0.04400	BIGFIN EELPOUT
TOTAL 67530.606						

Table D-8.--(continued)

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 78 SEASON 2 AREA COLUMBIA LG FRZ TRAWL USSR DATE 8/16 TO 10/30 DAYS ON GROUND 225.000
 FISHING-DAYS 209 HAULS SAMPLED 376 TOTAL HOURS 1647.3 TONS OF SAMPLED HAULS 3919. TOTAL HAULS 900.
 AVE DEPTH/HAUL 154.4 AVE MINUTES/HAUL 109.8 TOTAL CATCH TONS 8419.50 TOTAL SAMPLE TONS 2681.093

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	72332.534	8137.455	9880.048705	0.96650111	1.56922	PACIFIC HAKE
2	1406.957	158.283	192.178051	0.01879953	3.79683	JACK MACKEREL
3	539.654	60.745	73.753051	0.00721478	2.85822	WIDOW ROCKFISH
4	101.535	11.423	13.868789	0.00135669	3.16993	YELLOWTAIL ROCKFISH
5	92.864	10.357	12.575194	0.00123015	1.46556	PACIFIC OCEAN PERCH
6	86.961	9.783	11.878178	0.00116197	5.34786	CANARY ROCKFISH
7	57.868	6.510	7.904276	0.00077322	4.05564	SABLEFISH (BLACK COD)
8	43.061	4.844	5.881772	0.00057538	902.00000	THRESHER SHARK
9	33.691	3.790	4.601852	0.00045017	1.11446	REDSTRIPE ROCKFISH
10	27.876	3.114	3.780248	0.00036980	6.78828	BOCACCI
11	22.039	2.479	3.010361	0.00029448	2.64880	SPINY DOGFISH SHARK
12	13.508	1.565	1.899669	0.00018583	70.36812	BLUE SHARK
13	9.066	1.020	1.238341	0.00012114	18.05796	LINGCOD
14	9.053	1.018	1.236545	0.00012096	9.29174	KING-OF-THE-SALMON
15	7.930	0.892	1.083172	0.00010596	7.07281	SALMON - UNIDENT.
16	6.684	0.752	0.913002	0.00008931	22.21021	LONGNOSE SKATE
17	5.574	0.672	0.815985	0.00007982	4.07660	SQUID - UNIDENT.
18	5.841	0.657	0.797884	0.00007805	101.96633	MISC - UNIDENT.
19	4.725	0.532	0.645331	0.00006313	3.48468	ROCKFISH - UNIDENT.
20	4.319	0.486	0.589971	0.00005771	2.76377	JELLYFISH - UNIDENT.
21	4.106	0.462	0.560845	0.00005486	1.19374	SPLITNOSE ROCKFISH
22	4.067	0.458	0.555520	0.00005434	13.99476	SHORTTRAKER ROCKFISH
23	3.984	0.448	0.544233	0.00005324	0.55904	PACIFIC HERRING
24	2.984	0.336	0.407560	0.00003987	1.44365	DARK BLOTCHED ROCKFISH
25	2.604	0.225	0.273740	0.00002678	0.44185	SEA CUCUMBER - UNIDENT.
26	1.827	0.206	0.249617	0.00002442	47.85000	SKATE - UNIDENT.
27	1.209	0.136	0.165107	0.00001615	4.37266	ARROWTOOTH FLOUNDER (TURB
28	0.763	0.086	0.104217	0.00001019	3.05343	AMERICAN SHAD
29	0.754	0.085	0.103003	0.00001008	78.98000	PACIFIC HALIBUT
30	0.628	0.071	0.085788	0.00000839	32.89000	OCEAN SUNFISH
31	0.576	0.065	0.078615	0.00000769	3.76750	RATFISH
32	0.504	0.057	0.068795	0.00000673	4.98823	SILVERGRAY ROCKFISH
33	0.420	0.047	0.057406	0.00000562	44.00000	SOUPFIN SHARK
34	0.409	0.046	0.055906	0.00000547	0.01705	SEA PEN, SEA WHIP - UNIDE
35	0.383	0.043	0.052255	0.00000511	1.15496	SHORTSPINE THORNYHEAD ROC
36	0.370	0.042	0.050497	0.00000494	7.74400	BIG SKATE
37	0.364	0.041	0.049678	0.00000486	0.11103	EULACHON (CANDLEFISH)
38	0.356	0.040	0.048568	0.00000475	0.04160	BASKET STARFISH
39	0.298	0.033	0.040664	0.00000398	13.64000	GIANT WRYMOUTH
40	0.276	0.031	0.037644	0.00000368	1.24727	GREENSTRIPED ROCKFISH

Table D-9.--Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during August 16-October 31 (season 2), 1978.

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
41	0.263	0.030	0.035864	0.00000351	11.00000	PACIFIC COD
42	C.222	0.025	0.030381	0.00000297	2.41519	YELLOWMOUTH ROCKFISH
43	0.206	0.023	0.028118	0.00000275	2.69500	DOVER SOLE
44	0.144	0.016	0.019654	0.00000192	1.54564	ROCK SOLE
45	0.112	0.013	0.015242	0.00000149	5.50000	BLACK ROCKFISH
46	0.103	0.012	0.014059	0.00000138	7.70000	BLACK SKATE (SANDPAPER -
47	0.093	0.010	0.012691	0.00000124	0.01086	SHRIMP - UNIDENT.
48	0.059	0.007	0.008034	0.00000079	4.40000	RED BANDED ROCKFISH
49	C.C50	0.006	0.006886	0.00000067	1.32000	AURORA ROCKFISH
50	0.042	0.005	0.005738	0.00000056	4.40000	PACIFIC ELECTRIC RAY
51	0.036	0.004	0.004878	0.00000048	0.93500	SHARPCHIN ROCKFISH
52	C.C25	0.003	0.003443	0.00000034	0.22000	OCTOPUS - UNIDENT.
53	0.021	0.002	0.002869	0.00000028	2.20000	BIRDS - UNIDENT.
54	0.017	0.002	0.002295	0.00000022	1.76000	BOX CRAB
55	C.C16	0.002	0.002238	0.00000022	1.71600	CHILIPEPPER ROCKFISH
56	C.015	0.002	0.002083	0.00000020	0.17629	PACIFIC LAMPREY
57	0.015	0.002	0.002037	0.00000020	1.56200	PACIFIC TOMCOD
58	0.015	0.002	0.002008	0.00000020	0.19250	SMELT - UNIDENT.
59	0.008	0.001	0.001148	0.00000011	0.88000	FLATHEAD SOLE
60	C.C08	0.001	0.001148	0.00000011	0.88000	STARFISH - UNIDENT.
61	0.004	0.000	0.000574	0.00000006	0.22000	GREENLAND HALIBUT (TURBOT
62	C.C03	0.000	0.000430	0.00000004	0.11000	REX SOLE
63	0.002	0.000	0.000287	0.00000003	0.22000	ENGLISH SOLE (LEMON SOLE)
64	0.001	0.000	0.000143	0.00000001	0.11000	EELPOUT - UNIDENT.
65	C.C00	0.000	0.000029	0.00000000	0.02200	LANTERNFISH - UNIDENT.
TOTAL						74840.002

Table D-9.--(continued)

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 78 SEASON 1 AREA EUREKA LG FRZ TRAWL USSR DATE 6/12 TO 7/31 DAYS ON GROUNDS 146.402
 FISHING-DAYS 145 HAULS SAMPLED 322 TOTAL HOURS 1558.6 TONS OF SAMPLED HAULS 3415. TOTAL HAULS 763.
 AVE DEPTH/HAUL 128.6 AVE MINUTES/HAUL 122.6 TOTAL CATCH TONS 7072.38 TOTAL SAMPLE TONS 2715.014

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	96194.221	7041.508	9035.877014	0.99563434	1.44204	PACIFIC HAKE
2	140.969	10.319	13.241770	0.00145907	4.44635	JACK MACKEREL
3	93.129	6.817	8.747966	0.00096391	3.18230	WIDOW ROCKFISH
4	70.349	5.150	6.608179	0.00072813	0.95976	SPLITNOSE ROCKFISH
5	18.533	1.357	1.740892	0.00019182	4.66306	REDSTRIPE ROCKFISH
6	14.837	1.086	1.393692	0.00015357	4.02023	YELLOWTAIL ROCKFISH
7	12.510	0.916	1.175146	0.00012949	1.99218	PACIFIC OCEAN PERCH
8	10.228	0.745	0.960743	0.00010586	1.98666	DARK BLOTCHED ROCKFISH
9	9.386	0.687	0.881647	0.00009715	6.02032	CANARY ROCKFISH
10	9.266	0.678	0.870417	0.00009591	10.73997	SALMON - UNIDENT.
11	7.843	0.574	0.736714	0.00008118	7.81127	SQUID - UNIDENT.
12	5.514	0.404	0.517942	0.00005707	5.60345	KING-OF-THE-SALMON
13	4.823	0.353	0.453053	0.00004992	3.47959	BLACK ROCKFISH
14	3.565	0.261	0.334830	0.00003689	25.21072	LINGCOD
15	2.993	0.219	0.281185	0.00003098	4.92186	BLUE ROCKFISH
16	2.913	0.213	0.273598	0.00003015	4.47712	BOCACCIO
17	2.592	0.190	0.243479	0.00002683	1.12429	SPINY DOGFISH SHARK
18	2.265	0.166	0.212730	0.00002344	2.76062	BROWN ROCKFISH
19	1.867	0.137	0.175402	0.00001933	45.24476	LONGNOSE SKATE
20	1.867	0.137	0.175375	0.00001932	132.00000	RAGFISH
21	0.965	0.071	0.090611	0.00000999	68.20000	DEEPSEA SKATE
22	0.887	0.065	0.083303	0.00000918	0.00836	LANTERNFISH - UNIDENT.
23	0.859	0.063	0.080673	0.00000889	20.24000	BLACK SKATE (SANDPAPER -
24	0.822	0.060	0.077188	0.00000851	1.57045	SABLEFISH (BLACK COD)
25	0.734	0.054	0.068981	0.00000760	5.76889	VERMILION ROCKFISH
26	0.733	0.054	0.068835	0.00000758	4.31750	OLIVE ROCKFISH
27	0.569	0.042	0.053489	0.00000589	3.35500	CHILIPEPPER ROCKFISH
28	0.152	0.014	0.017997	0.00000198	13.57400	ROUGHEYE ROCKFISH
29	0.140	0.010	0.013153	0.00000145	9.90000	BIRDS - UNIDENT.
30	0.125	0.009	0.011755	0.00000130	2.95533	BROWN CAT SHARK
31	0.106	0.008	0.009938	0.00000110	7.48000	YELLOW EYE ROCKFISH (CRASP)
32	0.087	0.006	0.008184	0.00000090	2.05333	SILVERGRAY ROCKFISH
33	0.075	0.005	0.007015	0.00000077	5.28000	JELLYFISH - UNIDENT.
34	0.031	0.002	0.002923	0.00000032	0.01100	CALIFORNIA HEADLIGHTFISH
35	0.020	0.001	0.001841	0.00000020	0.15400	PACIFIC LAMPREY
TOTAL	96616.015					

Table D-10.--Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 1), 1978.

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 78 SEASON 1 AREA COLUMBIA LG FRZ TRAWL POLAND DATE 6/27 TO 8/ 2 DAYS ON GROUND 28.000
 FISHING-DAYS 27 HAULS SAMPLED 37 TOTAL HOURS 285.9 TONS OF SAMPLED HAULS 279. TOTAL HAULS 111.
 AVE DEPTH/HAUL 196.3 AVE MINUTES/HAUL 154.5 TOTAL CATCH TONS 820.49 TOTAL SAMPLE TONS 204.501

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	55352.258	774.929	5420.662280	0.94447080	1.51881	PACIFIC HAKE
2	1863.939	26.095	182.536028	0.03180422	2.28957	WIDOW ROCKFISH
3	373.323	5.227	36.559618	0.00636998	2.30221	SILVERGRAY ROCKFISH
4	347.016	4.858	33.983378	0.00592110	1.82574	SABLEFISH (BLACK COD)
5	308.055	4.313	30.167941	0.00525632	3.67828	YELLOWTAIL ROCKFISH
6	216.319	3.028	21.184199	0.00369104	3.37677	JACK MACKEREL
7	41.152	0.576	4.030008	0.00070217	6.02462	YELLOWHOOUTH ROCKFISH
8	37.316	0.522	3.654349	0.00063672	8.56449	LINGCOD
9	21.431	0.300	2.098774	0.00036568	0.81904	REDSTRIPE ROCKFISH
10	11.559	0.162	1.132025	0.00019724	2.86000	AMERICAN SHAD
11	7.259	0.102	0.710911	0.00012387	34.54000	BLUE SHARK
12	7.121	0.100	0.697327	0.00012150	9.68000	SALMON - UNIDENT.
13	6.404	0.090	0.627142	0.00010927	10.15667	BOCACCIO
14	5.456	0.076	0.534316	0.00009310	1.52706	CHILIPEPPER ROCKFISH
15	4.446	0.062	0.435394	0.00007586	1.10000	WALLEYE POLLOCK
16	1.565	0.028	0.192444	0.00003353	18.70000	LONGNOSE SKATE
17	0.763	0.011	0.074714	0.00001302	1.45200	SPINY DOGFISH SHARK
18	0.485	0.007	0.047545	0.00000828	0.92400	SQUID - UNIDENT.
19	0.370	0.005	0.036225	0.00000631	3.52000	FLATHEAD SOLE
TOTAL						58606.638

Table D-11.--Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1), 1978.

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 78 SEASON 2 AREA COLUMBIA LG FRZ TRAWL POLAND DATE 8/18 TO 10/31 DAYS ON GROUNDS 156.001
 FISHING-DAYS 144 HAULS SAMPLED 266 TOTAL HOURS 1397.6 TONS OF SAMPLED HAULS 3703. TOTAL HAULS 687.
 AVE DEPTH/HAUL 188.4 AVE MINUTES/HAUL 122.1 TOTAL CATCH TONS 7182.78 TOTAL SAMPLE TONS 3294.574

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	89011.737	6942.947	9935.527575	0.96660996	1.65138	PACIFIC HAKE
2	1524.739	118.930	170.191972	0.01655768	4.04459	JACK MACKEREL
3	544.181	42.446	60.741705	0.00590945	3.91767	YELLOWTAIL ROCKFISH
4	195.347	15.237	21.804703	0.00212134	1.93819	SABLEFISH (BLACK COD)
5	152.067	11.863	16.976031	0.00165157	1.79401	WALLEYE POLLOCK
6	143.276	11.176	15.992574	0.00155589	2.26317	SPINY DOGFISH SHARK
7	139.692	10.896	15.592505	0.00151697	2.22885	WIDOW ROCKFISH
8	81.333	6.344	9.078461	0.00088323	5.27478	BLACK ROCKFISH
9	61.045	4.762	6.813873	0.00066291	5.26099	CANARY ROCKFISH
10	32.200	2.512	3.594221	0.00034968	5.14451	SALMON - UNIDENT.
11	29.621	2.310	3.306267	0.00032166	2.21457	PACIFIC OCEAN PERCH
12	19.939	1.555	2.225570	0.00021652	24.33533	BLUE SHARK
13	18.750	1.463	2.092930	0.00020362	0.93433	SPLITNOSE ROCKFISH
14	14.717	1.148	1.642761	0.00015982	6.33254	BACCACCIO
15	11.216	0.875	1.251957	0.00012180	2.70139	SQUID - UNIDENT.
16	10.268	0.801	1.146086	0.00011150	18.89672	LINGCOD
17	10.265	0.801	1.145807	0.00011147	1.12486	REDSTRIPE ROCKFISH
18	8.932	0.697	0.997001	0.00009700	3.15163	AMERICAN SHAD
19	8.646	0.674	0.965028	0.00009389	2.54893	ARROWTOOTH FLOUNDER (TURB
20	8.613	0.672	0.961435	0.00009354	110.20500	OCEAN SUNFISH
21	7.075	0.552	0.789707	0.00007683	5.26839	ROUGHEYE ROCKFISH
22	5.160	0.402	0.575967	0.00005603	16.59944	LONGNOSE SKATE
23	4.784	0.373	0.533936	0.00005195	0.92438	SHORTSPINE THORNYHEAD ROC
24	4.751	0.371	0.530323	0.00005159	1.21113	DARK BLOTCHED ROCKFISH
25	4.735	0.369	0.528576	0.00005142	4.00284	JELLYFISH - UNIDENT.
26	4.564	0.356	0.509414	0.00004956	220.00000	THRESHER SHARK
27	4.106	0.320	0.456346	0.00004459	4.98151	RED BANDED ROCKFISH
28	3.861	0.301	0.430991	0.00004193	5.13273	BLACKGILL ROCKFISH
29	2.619	0.204	0.292305	0.00002844	1.27025	GREENSTRIPED ROCKFISH
30	1.959	0.153	0.218686	0.00002120	3.21559	YELLOWMOUTH ROCKFISH
31	1.944	0.152	0.216960	0.00002111	0.15034	PACIFIC HERRING
32	1.933	0.151	0.215724	0.00002099	22.20429	BIG SKATE
33	1.885	0.147	0.210381	0.00002047	3.44500	ROCKFISH - UNIDENT.
34	1.623	0.131	0.187804	0.00001827	8.45669	PACIFIC COD
35	1.519	0.118	0.169557	0.00001650	20.36100	PACIFIC ELECTRIC RAY
36	1.295	0.101	0.144571	0.00001407	3.36676	GREENLAND HALIBUT (TURBOT
37	0.964	0.075	0.107633	0.00001047	15.51000	RAGFISH
38	0.670	0.052	0.074748	0.00000727	17.95200	BLACK SKATE (SANDPAPER -
39	0.602	0.047	0.067175	0.00000654	24.20000	DEEPSEA SKATE
40	0.406	0.032	0.045282	0.00000441	2.03912	CHILIPEPPER ROCKFISH

Table D-12.--Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during August 16-October 31 (season 2), 1978.

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
41	0.304	0.024	0.033887	0.00000330	0.47900	REX SOLE
42	0.274	0.021	0.030534	0.00000297	7.33333	KING-OF-THE-SALMON
43	0.265	0.021	0.029566	0.00000288	0.12802	EULACHON (CANDLEFISH)
44	0.257	0.020	0.028702	0.00000279	5.17000	SILVERGRAY ROCKFISH
45	0.220	0.017	0.024611	0.00000239	1.47767	BROWN CAT SHARK
46	0.218	0.017	0.024336	0.00000237	4.38350	OCTOPUS - UNIDENT.
47	0.214	0.017	0.023847	0.00000232	4.29550	FLATHEAD SOLE
48	0.206	0.016	0.023013	0.00000224	1.13050	DOVER SOLE
49	0.205	0.016	0.022931	0.00000223	8.26100	GIANT WRYMOUTH
50	0.202	0.016	0.022595	0.00000220	1.35667	SHARPCHIN ROCKFISH
51	0.202	0.016	0.022595	0.00000220	2.03500	DUSKY ROCKFISH
52	0.141	0.011	0.015726	0.00000154	0.81243	STRIPETAILED ROCKFISH
53	0.137	0.011	0.015267	0.00000149	2.75000	SHARK - UNIDENT.
54	0.109	0.009	0.012214	0.00000119	8.80000	PACIFIC HALIBUT
55	0.088	0.007	0.009771	0.00000095	2.34667	COPPER ROCKFISH
56	0.068	0.005	0.007572	0.00000074	0.60622	AURORA ROCKFISH
57	0.063	0.005	0.007035	0.00000068	0.74541	STARRY FLOUNDER
58	0.040	0.003	0.004489	0.00000044	0.80850	RATFISH
59	0.036	0.003	0.003969	0.00000039	2.86000	PACIFIC TOMCOD
60	0.032	0.002	0.003573	0.00000035	0.36771	PACIFIC SANDAB
61	0.025	0.002	0.002748	0.00000027	0.99000	ROCK SOLE
62	0.015	0.001	0.001664	0.00000016	0.16538	PACIFIC LAMPREY
63	0.015	0.001	0.001649	0.00000016	0.59400	ENGLISH SOLE (LEMON SOLE)
64	0.011	0.001	0.001252	0.00000012	0.10250	SMELT - UNIDENT.
65	0.010	0.001	0.001130	0.00000011	0.81400	HARLEQUIN ROCKFISH
66	0.007	0.001	0.000824	0.00000008	0.59400	PROWFISH
67	0.006	0.000	0.000672	0.00000007	0.24200	FLATFISH - UNIDENT.
68	0.003	0.000	0.000336	0.00000003	0.24200	SHORTTRAKER ROCKFISH
69	0.003	0.000	0.000336	0.00000003	0.08067	EELPOUT - UNIDENT.
70	0.003	0.000	0.000305	0.00000003	0.22000	ROSETHORN ROCKFISH
71	0.002	0.000	0.000244	0.00000002	0.17600	MISC - UNIDENT.
72	0.002	0.000	0.000244	0.00000002	0.02514	SHRIMP - UNIDENT.
73	0.001	0.000	0.000092	0.00000001	0.06600	LONGFIN DRAGONFISH
74	0.001	0.000	0.000092	0.00000001	0.06600	PACIFIC SAURY

TOTAL 92086.505

Table D-12.--(continued)

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 78 SEASON 1 AREA EUREKA LG FRZ TRAWL POLAND DATE 6/ 3 TO 7/30 DAYS ON GROUNDS 83.540
 FISHING-DAYS 82 HAULS SAMPLED 140 TOTAL HOURS 837.7 TONS OF SAMPLED HAULS 1436. TOTAL HAULS 447.
 AVE DEPTH/HAUL 156.9 AVE MINUTES/HAUL 112.4 TOTAL CATCH TONS 3602.19 TOTAL SAMPLE TONS 1355.840

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	85527.709	3572.480	8529.257632	0.99175157	1.30805	PACIFIC HAKE
2	278.703	11.641	27.793716	0.00323175	3.90883	JACK MACKEREL
3	264.585	11.052	26.385742	0.00306804	3.03258	WIDOW ROCKFISH
4	39.644	1.656	3.953524	0.00045970	4.45048	SILVERGRAY ROCKFISH
5	26.237	1.096	2.616462	0.00030423	1.74975	SPINY DOGFISH SHARK
6	22.335	0.933	2.227313	0.00025898	3.24716	YELLOWTAIL ROCKFISH
7	20.921	0.874	2.086341	0.00024259	4.58812	YELLOWMOUTH ROCKFISH
8	11.602	0.485	1.157051	0.00013454	14.40664	LINGCOD
9	10.771	0.450	1.074144	0.00012490	5.11455	SALMON - UNIDENT.
10	9.916	0.414	0.988856	0.00011498	2.08469	DARK BLOTCHED ROCKFISH
11	6.266	0.262	0.624861	0.00007266	1.70866	SQUID - UNIDENT.
12	6.238	0.261	0.622066	0.00007233	3.70857	PACIFIC OCEAN PERCH
13	5.240	0.219	0.522558	0.00006076	7.58523	KING-OF-THE-SALMON
14	1.863	0.078	0.185829	0.00002161	1.29250	SPLITNOSE ROCKFISH
15	1.718	0.072	0.171332	0.00001992	28.60000	BIG SKATE
16	1.057	0.044	0.105435	0.00001226	5.86667	STARRY ROCKFISH
17	1.031	0.043	0.102799	0.00001195	4.29000	ROCKFISH - UNIDENT.
18	0.885	0.037	0.088302	0.00001027	4.91333	BACACCIO
19	0.595	0.025	0.059307	0.00000690	1.23749	PROWFISH
20	0.396	0.017	0.039538	0.00000460	13.20000	BLUE SHARK
21	0.357	0.015	0.035584	0.00000414	2.97000	CHILIPEPPER ROCKFISH
22	0.231	0.010	0.023064	0.00000268	0.76999	SABLEFISH (BLACK COD)
23	0.198	0.008	0.019769	0.00000230	6.60000	SHORTRAKER ROCKFISH
24	0.132	0.006	0.013179	0.00000153	4.40000	RAGFISH
25	0.125	0.005	0.012455	0.00000145	0.25988	PACIFIC LAMPREY
26	0.117	0.005	0.011716	0.00000136	3.96000	REDSTRIPE ROCKFISH
27	0.079	0.003	0.007903	0.00000092	2.64000	STEELHEAD
28	0.066	0.003	0.006590	0.00000077	2.20000	PACIFIC POMFRET
29	0.026	0.001	0.002636	0.00000031	0.88000	WALLEYE POLLOCK
30	0.001	0.000	0.000066	0.00000001	0.02200	SHRIMP - UNIDENT.

TOTAL 86239.046

Table D-13.--Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 1), 1978.

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 79 SEASON 1 AREA COLUMBIA LG FRZ TRAWL USSR DATE 6/ 6 TO 8/15 DAYS ON GROUNDS 279.216
 FISHING-DAYS 280 HAULS SAMPLED 475 TOTAL HOURS 2127.2 TONS OF SAMPLED HAULS 3975. TOTAL HAULS 965.
 AVE DEPTH/HAUL 163.4 AVE MINUTES/HAUL 132.3 TOTAL CATCH TONS 6782.73 TOTAL SAMPLE TONS 3965.061

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	47856.229	6681.115	6281.555508	0.98501825	1.62505	PACIFIC HAKE
2	242.847	33.903	31.875813	0.00499848	3.00448	WIDOW ROCKFISH
3	238.648	33.317	31.324702	0.00491206	3.34076	YELLOWTAIL ROCKFISH
4	96.595	13.485	12.678926	0.00198820	1.73155	SABLEFISH (BLACK COD)
5	55.735	7.781	7.315702	0.00114718	4.20980	JACK MACKEREL
6	18.950	2.646	2.487376	0.00039005	12.96404	SALMON - UNIDENT.
7	18.204	2.541	2.389429	0.00037469	11.07853	SQUID - UNIDENT.
8	11.505	1.662	1.562681	0.00024505	1.43680	PACIFIC OCEAN PERCH
9	8.994	1.256	1.180482	0.00018511	0.14533	REDSTRIPE ROCKFISH
10	5.303	0.740	0.696058	0.00010915	1.91643	SPINY DOGFISH SHARK
11	4.392	0.613	0.576490	0.00009040	4.96489	BOCACCID
12	4.150	0.579	0.544776	0.00008543	16.23757	LINGCOD
13	3.237	0.452	0.424890	0.00006663	16.11736	LONGNOSE SKATE
14	2.800	0.391	0.367555	0.00005764	9.16456	KING-OF-THE-SALMON
15	2.057	0.287	0.270058	0.00004235	1.81028	JELLYFISH - UNIDENT.
16	2.017	0.282	0.264708	0.00004151	330.00000	OCEAN SUNFISH
17	1.986	0.277	0.260681	0.00004088	5.19452	CANARY ROCKFISH
18	1.378	0.192	0.180927	0.00002837	3.95863	ARROWTOOTH FLOUNDER (TURB
19	1.056	0.147	0.138657	0.00002174	100.83335	SOUFFIN SHARK
20	0.851	0.119	0.111706	0.00001752	1.71928	DARK SLOTTCHED ROCKFISH
21	0.581	0.081	0.076260	0.00001196	31.75771	BIG SKATE
22	0.565	0.079	0.074118	0.00001162	46.20000	BLUE SHARK
23	0.480	0.067	0.063000	0.00000988	5.23600	SHORTTRAKER ROCKFISH
24	0.452	0.063	0.059295	0.00000930	0.02860	EULACHON (CANDLEFISH)
25	0.451	0.063	0.059171	0.00000928	0.75271	SPLITNOSE ROCKFISH
26	0.399	0.056	0.052308	0.00000820	13.17034	OCTOPUS - UNIDENT.
27	0.385	0.054	0.050471	0.00000791	2.86000	DUSKY ROCKFISH
28	0.381	0.053	0.050030	0.00000785	5.19750	ROUGHEYE ROCKFISH
29	0.372	0.052	0.048774	0.00000765	4.72174	FLATHEAD SOLE
30	0.348	0.049	0.045724	0.00000717	0.93446	SHORTSPINE THORNYHEAD ROC
31	0.328	0.046	0.043059	0.00000675	5.96444	YELLOWMOUTH ROCKFISH
32	0.328	0.046	0.043059	0.00000675	2.33391	OLIVE ROCKFISH
33	0.160	0.022	0.021000	0.00000329	5.23600	YELLOWEYE ROCKFISH (CRASPH
34	0.126	0.018	0.016588	0.00000260	2.95429	BLACK ROCKFISH
35	0.125	0.017	0.016346	0.00000256	2.26942	SHARPCHIN ROCKFISH
36	0.121	0.017	0.015882	0.00000249	2.82857	CHILIPEPPER ROCKFISH
37	0.110	0.015	0.014471	0.00000227	2.00444	ROCKFISH - UNIDENT.
38	0.110	0.015	0.014471	0.00000227	0.05637	NORTHERN ANCHOVY
39	0.102	0.014	0.013433	0.00000211	0.70137	PACIFIC HERRING
40	0.084	0.012	0.011012	0.00000173	2.28800	WALLEYE POLLOCK

Table D-14.--Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1), 1979.

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
41	0.081	0.011	0.010588	0.00000166	1.65000	STARFISH - UNIDENT.
42	0.079	0.011	0.010341	0.00000162	2.14867	FLATFISH - UNIDENT.
43	0.061	0.008	0.007941	0.00000125	4.95000	SILVERGRAY ROCKFISH
44	0.058	0.008	0.007641	0.00000120	1.90520	RED BANDED ROCKFISH
45	0.052	0.007	0.006882	0.00000108	4.29000	VERMILION ROCKFISH
46	0.052	0.007	0.006796	0.00000107	0.49866	REX SOLE
47	0.049	0.007	0.006494	0.00000102	1.34933	ROCK SOLE
48	0.039	0.005	0.005066	0.00000079	0.12647	PACIFIC LAMPREY
49	0.036	0.005	0.004765	0.00000075	0.59400	GREENSTRIPED ROCKFISH
50	0.034	0.005	0.004500	0.00000071	0.56100	ROSETHORN ROCKFISH
51	0.033	0.005	0.004394	0.00000069	1.82600	DOVER SOLE
52	0.027	0.004	0.003545	0.00000056	4.40000	GREENSPOTTED ROCKFISH
53	0.026	0.004	0.003353	0.00000053	2.09000	BROWN CAT SHARK
54	0.021	0.003	0.002788	0.00000044	1.73800	RATFISH
55	0.019	0.003	0.002559	0.00000040	1.59500	SHARK - UNIDENT.
56	0.017	0.002	0.002294	0.00000036	0.28600	BASKET STARFISH
57	0.016	0.002	0.002118	0.00000033	2.64000	BIRDS - UNIDENT.
58	0.015	0.002	0.001941	0.00000030	2.42000	RAGFISH
59	0.010	0.001	0.001288	0.00000020	0.10038	NIGHT SMELT
60	0.009	0.001	0.001235	0.00000019	1.54000	LONGSPINE THORNYHEAD ROCK
61	0.009	0.001	0.001147	0.00000018	1.43000	SLENDER SOLE
62	0.004	0.001	0.000529	0.00000008	0.16500	WDLF-EEL
63	0.004	0.001	0.000529	0.00000008	0.06017	SMELT - UNIDENT.
64	0.003	0.000	0.000353	0.00000006	0.44000	BLACK SKATE (SANDPAPER -
65	0.002	0.000	0.000264	0.00000004	0.02062	SHRIMP - UNIDENT.
66	0.001	0.000	0.000159	0.00000002	0.19800	MISC - UNIDENT.
67	0.001	0.000	0.000141	0.00000002	0.04400	LONGFIN DRAGONFISH
68	0.001	0.000	0.000124	0.00000002	0.15400	SEA CUCUMBER - UNIDENT.
69	0.001	0.000	0.000088	0.00000001	0.11000	BARRACUDINA - UNIDENT.
70	0.001	0.000	0.000071	0.00000001	0.02200	CALIFORNIA HEADLIGHTFISH
71	0.000	0.000	0.000053	0.00000001	0.03300	PALLID EELPOUT
72	0.000	0.000	0.000035	0.00000001	0.04400	BLACKTAIL SNAILFISH
73	0.000	0.000	0.000018	0.00000000	0.00550	LANTERNFISH - UNIDENT.
74	0.000	0.000	0.000018	0.00000000	0.02200	BLACKSMELT, EARED (POPEYE
TOTAL						48584.104

Table D-14.--(continued)

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 79 SEASON 2 AREA COLUMBIA LG FRZ TRAWL USSR DATE 8/16 TO 10/ 8 DAYS ON GROUNDS 464.721
 FISHING-DAYS 436 HAULS SAMPLED 917 TOTAL HOURS 4448.8 TONS OF SAMPLED HAULS 7637. TOTAL HAULS 2121.
 AVE DEPTH/HAUL 191.5 AVE MINUTES/HAUL 125.8 TOTAL CATCH TONS 16525.56 TOTAL SAMPLE TONS 7122.421

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	67585.543	15704.197	7060.049215	0.95029719	1.78485	PACIFIC HAKE
2	1761.960	414.057	186.145185	0.02505553	4.23129	JACK MACKEREL
3	693.734	161.196	72.468067	0.00975435	2.65721	WIDOW ROCKFISH
4	411.401	95.593	42.975379	0.00578457	2.97182	SABLEFISH (BLACK COD)
5	128.438	29.844	13.416721	0.00180592	3.65888	YELLOWTAIL ROCKFISH
6	67.350	15.659	7.039605	0.00094755	1.49382	PACIFIC OCEAN PERCH
7	64.642	15.020	6.752565	0.00090891	2.72429	SPINY DOGFISH SHARK
8	52.514	12.202	5.485679	0.00073838	5.53339	CANARY ROCKFISH
9	38.453	8.935	4.016877	0.00354068	3.09408	AMERICAN SHAD
10	35.432	8.233	3.701235	0.00049819	1.61749	SQUID - UNIDENT.
11	32.834	7.629	3.429886	0.00046167	0.98098	REDSTRIPE ROCKFISH
12	25.844	6.005	2.699715	0.00036339	1.81174	DARK BLOTCHED ROCKFISH
13	23.838	5.539	2.490148	0.00033518	3.30292	ROCKFISH - UNIDENT.
14	23.609	5.486	2.466224	0.00033196	0.92956	SPLITNOSE ROCKFISH
15	18.037	4.191	1.884174	0.00025361	9.97020	SALMON - UNIDENT.
16	17.898	4.159	1.869681	0.00025166	0.62782	SHORTSPINE THORNTHEAD ROC
17	13.202	3.068	1.379062	0.00018562	3.16525	ARROWTOOTH FLOUNDER (TURB
18	12.381	2.877	1.293313	0.00017408	8.90652	KING-OF-THE-SALMON
19	12.114	2.815	1.265423	0.00017033	0.43765	REX SOLE
20	11.188	2.600	1.168695	0.00015731	2.42592	RED BANDED ROCKFISH
21	8.310	1.931	0.868065	0.00011684	7.03640	BQCACCIO
22	6.459	1.501	0.674698	0.00009082	1.45213	BROWN CAT SHARK
23	6.449	1.498	0.673672	0.00009068	17.06133	LONGNOSE SKATE
24	6.147	1.428	0.642089	0.00008643	660.00000	THRESHER SHARK
25	4.683	1.088	0.489158	0.00006584	17.05458	LINGCOD
26	4.659	1.083	0.486721	0.00006551	5.05596	SHORTRAKER ROCKFISH
27	4.176	0.970	0.436192	0.00005871	4.50613	BLACK ROCKFISH
28	2.588	0.694	0.312082	0.00004201	37.74463	BLUE SHARK
29	2.893	0.672	0.302208	0.00004068	0.93098	DOVER SOLE
30	2.548	0.592	0.266155	0.00003583	15.57326	BIG SKATE
31	2.404	0.559	0.251085	0.00003380	5.26116	YELLOW EYE ROCKFISH (CRASPH
32	2.148	0.499	0.224410	0.00003021	46.13337	RAGFISH
33	2.076	0.482	0.216849	0.00002919	1.75682	JELLYFISH - UNIDENT.
34	1.385	0.322	0.144684	0.00001947	6.32851	VERMILION ROCKFISH
35	1.188	0.276	0.124073	0.00001670	9.81031	SKATE - UNIDENT.
36	1.188	0.276	0.124081	0.00001670	52.12555	MISC - UNIDENT.
37	0.984	0.229	0.102812	0.00001384	1.01297	CHILIPEPPER ROCKFISH
38	0.884	0.205	0.092311	0.00001243	47.44300	PACIFIC HALIBUT
39	0.778	0.181	0.081232	0.00001093	0.16310	PACIFIC HERRING
40	0.721	0.168	0.075306	0.00001014	3.29391	YELLOWMOUTH ROCKFISH

Table D-15. --Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during August 16-October 31 (season 2), 1979.

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
41	0.671	0.156	0.070055	0.0000943	72.05000	OCEAN SUNFISH
42	0.534	0.124	0.055816	0.0000751	2.06340	PACIFIC POMFRET
43	0.514	0.119	0.053660	0.0000722	18.63623	PACIFIC ELECTRIC RAY
44	0.478	0.111	0.049976	0.0000673	4.10960	SHARK - UNIDENT.
45	0.391	0.091	0.040867	0.0000550	2.89998	ROUGHEYE ROCKFISH
46	0.349	0.081	0.036406	0.0000490	0.72664	BASKET STARFISH
47	0.307	0.071	0.032051	0.0000431	1.64725	CUNGENESS CRAQ
48	0.262	0.066	0.029504	0.0000397	2.09927	BLACK SKATE (SANDPAPER -
49	0.244	0.057	0.025523	0.0000344	2.38500	FLAG ROCKFISH
50	0.240	0.056	0.025020	0.0000338	1.87016	STARRY SKATE
51	0.230	0.053	0.024036	0.0000324	1.41989	AURORA ROCKFISH
52	0.226	0.052	0.023577	0.0000317	0.19119	PACIFIC LAMPREY
53	0.184	0.043	0.019219	0.0000259	1.03930	GREENSTRIPED ROCKFISH
54	0.162	0.038	0.016939	0.0000228	3.18822	DUSKY ROCKFISH
55	0.141	0.033	0.014682	0.0000198	0.19989	NORTHERN ANCHOVY
56	0.127	0.030	0.013317	0.0000179	1.42437	RATFISH
57	0.126	0.029	0.013174	0.0000177	9.02733	GIANT WRYMOUTH
58	0.118	0.027	0.012221	0.0000165	0.46214	OCTOPUS - UNIDENT.
59	0.111	0.026	0.011558	0.0000156	3.96000	INVERTEBRATE - UNIDENT.
60	0.109	0.025	0.011336	0.0000153	0.33797	SHORTBELLY ROCKFISH
61	0.108	0.025	0.011313	0.0000152	0.89267	ENGLISH SOLE (LEMON SOLE)
62	0.098	0.023	0.010211	0.0000137	0.16346	EULACHON (CANDLEFISH)
63	0.090	0.021	0.009353	0.0000126	1.01200	SEA ANEMONE - UNIDENT.
64	0.084	0.020	0.008803	0.0000118	6.17004	COPPER ROCKFISH
65	0.072	0.017	0.007555	0.0000102	0.96289	FLATHEAD SOLE
66	0.065	0.015	0.006742	0.0000091	13.86000	SOUPFIN SHARK
67	0.063	0.015	0.006581	0.0000089	3.37626	DEESEA SKATE
68	0.060	0.014	0.006294	0.0000085	0.12221	SMELT - UNIDENT.
69	0.058	0.014	0.006079	0.0000082	1.38844	BARRACUDINA - UNIDENT.
70	0.056	0.013	0.005879	0.0000079	0.55505	PACIFIC SANDAB
71	0.051	0.012	0.005351	0.0000072	11.00000	BIRDS - UNIDENT.
72	0.046	0.011	0.004788	0.0000064	1.64589	FISH - UNIDENT.
73	0.041	0.010	0.004325	0.0000058	1.58590	FLATFISH - UNIDENT.
74	0.036	0.008	0.003788	0.0000051	0.08558	LAMPFISH - UNIDENT.
75	0.035	0.008	0.003695	0.0000050	0.55240	HAGFISH - UNIDENT.
76	0.033	0.008	0.003475	0.0000047	0.09526	NIGHT SMELT
77	0.032	0.008	0.003381	0.0000046	0.31602	EELPOUT - UNIDENT.
78	0.032	0.007	0.003371	0.0000045	1.73250	CRAB - UNIDENT.
79	0.029	0.007	0.003050	0.0000041	3.13500	PECTORAL RATTAIL
80	0.027	0.006	0.002782	0.0000037	2.86000	RATTAIL - UNIDENT.
81	0.026	0.006	0.002740	0.0000037	0.24487	BLACK EELPOUT
82	0.023	0.005	0.002440	0.0000033	1.25400	GREENLAND HALIBUT (TURBOT)
83	0.022	0.005	0.002247	0.0000030	2.31000	PACIFIC COD
84	0.018	0.004	0.001841	0.0000025	0.75680	SNAILFISH - UNIDENT.
85	0.016	0.004	0.001712	0.0000023	0.44000	PETRALE SOLE
86	0.016	0.004	0.001644	0.0000022	0.27338	STARFISH - UNIDENT.
87	0.016	0.004	0.001637	0.0000022	0.56100	SLENDER SOLE

Table D-15.--(continued)

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
88	0.015	0.004	0.001616	0.0000022	3.32200	WALLEYE POLLOCK
89	0.015	0.003	0.001552	0.0000021	0.53167	BLACKTAIL SNAILFISH
90	0.013	0.003	0.001355	0.0000018	2.20684	ROCK SOLE
91	0.010	0.002	0.001070	0.0000014	1.10000	SCALY WEARYFISH
92	0.008	0.002	0.000856	0.0000012	0.44000	ROSETHORN ROCKFISH
93	0.008	0.002	0.000856	0.0000012	1.76000	OLIVE ROCKFISH
94	0.006	0.001	0.000642	0.0000009	0.66000	SHARPCHIN ROCKFISH
95	0.005	0.001	0.000505	0.0000007	0.51700	SANDAB - UNIDENT.
96	0.004	0.001	0.000428	0.0000006	0.44000	SEA CUCUMBER - UNIDENT.
97	0.004	0.001	0.000428	0.0000006	0.88000	PROWFISH
98	0.003	0.001	0.000321	0.0000004	0.66000	CHAMELEON ROCKFISH
99	0.003	0.001	0.000317	0.0000004	0.66000	SHINING TUBESHOULDER
100	0.003	0.001	0.000292	0.0000004	0.04628	SHRIMP - UNIDENT.
101	0.002	0.000	0.000203	0.0000003	0.41800	STRIPETAIL ROCKFISH
102	0.001	0.000	0.000107	0.0000001	0.22000	SEA URCHINS, SAND DOLLARS
103	0.001	0.000	0.000105	0.0000001	0.22000	SKATE EGG CASE - UNIDENT.
104	0.001	0.000	0.000086	0.0000001	0.17600	PACIFIC SAURY
105	0.001	0.000	0.000054	0.0000001	0.11000	PEACHER - UNIDENT.
TOTAL 71120.419						

Table D-15.--(continued)

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 79 SEASON 1 AREA EUREKA LG FRZ TRAWL USSR DATE 6/ 6 TO 8/15 DAYS ON GROUNDS 320.933
 FISHING-DAYS 328 HAULS SAMPLED 768 TOTAL HOURS 3529.8 TONS OF SAMPLED HAULS 7458. TOTAL HAULS 1572.
 AVE DEPTH/HAUL 162.9 AVE MINUTES/HAUL 134.7 TOTAL CATCH TONS 13646.86 TOTAL SAMPLE TONS 7345.361

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	84120.776	13498.571	7650.480035	0.98913353	1.57975	PACIFIC HAKE
2	685.613	110.018	62.354051	0.00806178	1.69236	JACK MACKEREL
3	88.069	14.132	8.009539	0.00103556	2.82592	WIDOW ROCKFISH
4	65.930	10.580	5.996088	0.00077524	8.33121	KING-OF-THE-SALMON
5	26.353	4.229	2.396738	0.00030988	4.18959	SQUID - UNIDENT.
6	10.350	1.661	0.941322	0.00012170	1.91479	SABLEFISH (BLACK COD)
7	7.135	1.145	0.648859	0.00008369	11.58643	SALMON - UNIDENT.
8	6.561	1.053	0.596735	0.00007715	1.46984	SPINY DOGFISH SHARK
9	6.280	1.008	0.571155	0.00007364	137.68441	MISC - UNIDENT.
10	5.511	0.884	0.501165	0.00006480	1.38666	PACIFIC OCEAN PERCH
11	5.446	0.874	0.495316	0.00006404	3.59105	REDSTRIPE ROCKFISH
12	3.607	0.579	0.328008	0.00004241	1.00116	JELLYFISH - UNIDENT.
13	2.673	0.429	0.243138	0.00003144	30.58000	LONGNOSE SKATE
14	2.313	0.371	0.210334	0.00002719	4.66321	BDCACCIO
15	2.042	0.328	0.185685	0.00002401	1.38260	SPLITNOSE ROCKFISH
16	1.330	0.213	0.120923	0.00001563	58.30000	BIG SKATE
17	1.106	0.178	0.100617	0.00001301	1.50419	DARK BLOTCHED ROCKFISH
18	0.905	0.145	0.082287	0.00001064	3.24154	RAGFISH
19	0.661	0.106	0.060119	0.00000777	5.27000	SILVERGRAY ROCKFISH
20	0.467	0.075	0.042483	0.00000549	6.82733	ROCKFISH - UNIDENT.
21	0.421	0.067	0.038249	0.00000495	1.39257	MEDUSAFISH
22	0.288	0.046	0.026238	0.00000339	50.60000	BLUE SHARK
23	0.253	0.041	0.023053	0.00000298	4.04197	CANARY ROCKFISH
24	0.144	0.023	0.013085	0.00000169	4.20567	YELLOWTAIL ROCKFISH
25	0.131	0.021	0.011921	0.00000154	1.35235	BROWN CAT SHARK
26	0.100	0.016	0.009126	0.00000118	17.60000	SKATE - UNIDENT.
27	0.050	0.008	0.004563	0.00000059	4.40000	YELLOWMOUTH ROCKFISH
28	0.043	0.007	0.003879	0.00000050	7.48000	PACIFIC ELECTRIC RAY
29	0.041	0.007	0.003719	0.00000048	0.06896	OCTOPUS - UNIDENT.
30	0.033	0.005	0.002966	0.00000038	5.72000	YELLOWEYE ROCKFISH (RASPH
31	0.033	0.005	0.002966	0.00000038	5.72000	LINGCOD
32	0.031	0.005	0.002852	0.00000037	5.50000	ROUGHEYE ROCKFISH
33	0.030	0.005	0.002738	0.00000035	2.64000	OLIVE ROCKFISH
34	0.029	0.005	0.002613	0.00000034	0.28010	PACIFIC LAMPREY
35	0.029	0.005	0.002601	0.00000034	2.50800	PACIFIC POMFRET
36	0.025	0.004	0.002317	0.00000030	0.16549	WOLF-EEL
37	0.024	0.004	0.002167	0.00000028	1.39333	FISH - UNIDENT.
38	0.021	0.003	0.001871	0.00000024	0.02241	LONGFIN DRAGONFISH
39	0.016	0.003	0.001483	0.00000019	1.43000	PROWFISH
40	0.015	0.002	0.001403	0.00000018	0.05306	BARRACUDINA - UNIDENT.

Table D-16. --Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 1), 1979.

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
41	0.009	0.001	0.000821	0.00000011	0.00932	CALIFORNIA HEADLIGHTFISH
42	0.005	0.001	0.000411	0.00000005	0.02200	LANTERNFISH - UNIDENT.
43	0.003	0.001	0.000286	0.00000004	0.02209	INVERTEBRATE - UNIDENT.
44	0.002	0.000	0.000137	0.00000002	0.01760	SHRIMP - UNIDENT.
45	0.000	0.000	0.000023	0.00000000	0.02200	PALLID EELPOUT
46	0.000	0.000	0.000023	0.00000000	0.01467	SILVERY HATCHETFISH
47	0.000	0.000	0.000011	0.00000000	0.02200	SLENDER SNIPE EEL
48	0.000	0.000	0.000011	0.00000000	0.02200	BLACKSMELT, EARED (POPEYE)
TOTAL						65044.504

Table D-16.--(continued)

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 79 SEASON 2 AREA EUREKA LG FRZ TRAWL USSR DATE 8/16 TO 10/ 6 DAYS ON GROUNDS 39.278
 FISHING-DAYS 41 HAULS SAMPLED 77 TOTAL HOURS 377.0 TONS OF SAMPLED HAULS 765. TOTAL HAULS 167.
 AVE DEPTH/HAUL 207.8 AVE MINUTES/HAUL 135.4 TOTAL CATCH TONS 1436.59 TOTAL SAMPLE TONS 749.644

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	72593.402	1425.655	7563.822959	0.99238861	0.91166	PACIFIC HAKE
2	209.517	4.115	21.830530	0.00286421	9.60201	KING-OF-THE-SALMON
3	149.024	2.927	15.527423	0.00203723	6.83648	SQUID - UNIDENT.
4	101.557	1.994	10.581671	0.00138834	1.92343	SABLEFISH (BLACK COD)
5	27.095	0.532	2.823163	0.00037040	3.90995	JACK MACKEREL
6	10.452	0.205	1.089087	0.00014289	3.07980	WIDOW ROCKFISH
7	6.935	0.136	0.722597	0.00009481	1.46500	CHILIPEPPER ROCKFISH
8	5.444	0.107	0.567192	0.00007442	110.00000	SHARK - UNIDENT.
9	4.564	0.097	0.517225	0.00006786	14.83429	RAGFISH
10	4.894	0.096	0.509888	0.00006690	1.48795	PACIFIC OCEAN PERCH
11	4.658	0.091	0.485314	0.00006367	1.09769	SPLITNOSE ROCKFISH
12	4.417	0.087	0.460278	0.00006039	2.98454	PACIFIC POMFRET
13	4.207	0.083	0.438326	0.00005751	88.00000	LONGNOSE SKATE
14	4.028	0.079	0.419733	0.00005507	1.66569	SPINY DOGFISH SHARK
15	3.471	0.068	0.361619	0.00004745	72.60000	BIG SKATE
16	2.996	0.059	0.312131	0.00004095	1.64968	BROWN CAT SHARK
17	2.839	0.056	0.295834	0.00003881	5.94026	BACACCIO
18	1.840	0.036	0.191768	0.00002516	19.25000	SALMON - UNIDENT.
19	1.488	0.029	0.155061	0.00002034	0.97587	MEDUSAFISH
20	1.354	0.027	0.141128	0.00001852	5.73766	ARROWTOOTH FLOUNDER (TURB
21	1.252	0.025	0.130400	0.00001711	0.87269	SHGRITSPINE THORNYHEAD ROC
22	1.126	0.022	0.117345	0.00001540	0.97895	JELLYFISH - UNIDENT.
23	1.073	0.021	0.111773	0.00001466	22.44000	LINGCOD
24	0.447	0.009	0.046615	0.00000612	1.64202	SHARPCHIN ROCKFISH
25	0.395	0.008	0.041147	0.00000540	0.34823	REX SOLE
26	0.352	0.007	0.036700	0.00000482	1.47393	DARK BLOTCHED ROCKFISH
27	0.254	0.006	0.030683	0.00000403	3.08000	SHORTRAKER ROCKFISH
28	0.231	0.005	0.024108	0.00000316	4.84000	CANARY ROCKFISH
29	0.210	0.004	0.021916	0.00000288	2.20000	YELLOWTAIL ROCKFISH
30	0.124	0.002	0.012931	0.00000170	1.29800	AURORA ROCKFISH
31	0.042	0.001	0.004383	0.00000058	0.80000	BARRACUDINA - UNIDENT.
32	0.021	0.000	0.002192	0.00000029	0.44000	HAGFISH - UNIDENT.
33	0.015	0.000	0.001534	0.00000020	0.30800	PACIFIC LAMPREY
TOTAL 73150.166						

Table D-17. --Species composition of Soviet catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during August 16-October 31 (season 2), 1979.

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 75 SEASON 1 AREA COLUMBIA LG FRZ TRAWL POLAND DATE 6/25 TO 8/15 DAYS ON GROUND\$ 43.520
 FISHING-DAYS 53 HAULS SAMPLED 88 TOTAL HOURS 371.7 TONS OF SAMPLED HAULS 530. TOTAL HAULS 175.
 AVE DEPTH/HAUL 181.7 AVE MINUTES/HAUL 127.4 TOTAL CATCH TONS 950.80 TOTAL SAMPLE TONS 505.972

RANK	MEAN LB/CAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	41876.454	911.230	4903.477357	0.95238597	1.78037	PACIFIC HAKE
2	832.112	18.107	97.435233	0.01904374	2.69618	ROCKFISH - UNIDENT.
3	305.862	6.656	35.814569	0.00699997	5.22732	JACK MACKEREL
4	234.740	5.108	27.426591	0.00537226	2.62563	SABLEFISH (BLACK COD)
5	233.123	5.073	27.297310	0.00533527	2.88189	WIDOW ROCKFISH
6	56.918	1.239	6.664778	0.00130263	0.90561	PACIFIC OCEAN PERCH
7	34.166	0.743	4.000596	0.00078192	13.36910	SQUID - UNIDENT.
8	33.808	0.736	3.958723	0.00077373	3.51857	YELLOWTAIL ROCKFISH
9	22.728	0.495	2.661254	0.00052014	5.57003	CANARY ROCKFISH
10	20.224	0.440	2.368067	0.00046284	8.17923	KING-OF-THE-SALMON
11	13.841	0.301	1.620659	0.00031677	4.19114	SHORTAKER ROCKFISH
12	6.999	0.152	0.819510	0.00016017	0.09319	JELLYFISH - UNIDENT.
13	5.186	0.113	0.607248	0.00011869	20.92393	LINGCOD
14	3.237	0.070	0.378984	0.00007407	9.81750	SALMON - UNIDENT.
15	3.173	0.065	0.371553	0.00007262	25.86667	SKATE - UNIDENT.
16	3.046	0.066	0.356691	0.00006972	10.56000	BOCACCIO
17	1.813	0.039	0.212316	0.00004150	44.00000	THRESHER SHARK
18	1.428	0.031	0.167199	0.00003268	3.15000	ARROWTOOTH FLOUNDER (TURB
19	1.268	0.028	0.148506	0.00002903	0.07892	FISH - UNIDENT.
20	0.758	0.017	0.093419	0.00001826	6.45333	DUSKY ROCKFISH
21	0.725	0.016	0.084926	0.00001660	17.60000	PACIFIC TOMCOD
22	0.499	0.011	0.058387	0.00001141	3.02500	SPINY DOGFISH SHARK
23	0.455	0.010	0.053291	0.00001042	1.38050	FLATFISH - UNIDENT.
24	0.453	0.010	0.053079	0.00001037	5.50000	YELLOWEYE ROCKFISH (CRASP
25	0.310	0.007	0.036306	0.00000710	1.50480	SHARPCHIN ROCKFISH
26	0.303	0.007	0.035457	0.00000693	0.18370	PACIFIC LAMPREY
27	0.245	0.005	0.028663	0.00000560	0.99000	REDSTRIPE ROCKFISH
28	0.150	0.003	0.017516	0.00000342	1.81500	DARK BLOTCHED ROCKFISH
29	0.118	0.003	0.013801	0.00000270	0.71500	MEDUSAFISH
30	0.112	0.002	0.013057	0.00000255	0.45100	WOLF-EEL
31	0.104	0.002	0.012208	0.00000239	1.26500	GREENSTRIPED ROCKFISH
32	0.091	0.002	0.010616	0.00000207	1.10000	INVERTEBRATE - UNIDENT.
33	0.082	0.002	0.009554	0.00000187	1.98000	OCTOPUS - UNIDENT.
34	0.074	0.002	0.008705	0.00000170	0.60133	SPLITNOSE ROCKFISH
35	0.056	0.001	0.006582	0.00000129	1.36400	RAGFISH
36	0.036	0.001	0.004246	0.00000083	0.88000	ENGLISH SOLE (LEMON SOLE)
37	0.014	0.000	0.001592	0.00000031	0.33000	SHORTSPINE THORNYHEAD ROC
38	0.014	0.000	0.001592	0.00000031	0.33000	BASKET STARFISH
39	0.009	0.000	0.001062	0.00000021	0.22000	EULACHON (CANDLEFISH)
40	0.005	0.000	0.000637	0.00000012	0.13200	LANTERNFISH - UNIDENT.
TOTAL 43694.777						

Table D-18.--Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1), 1979.

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 79 SEASON 2 AREA COLUMBIA LG FRZ TRAWL POLAND DATE 8/16 TO 10/ 6 DAYS ON GROUND 85.000
 FISHING-DAYS 78 HAULS SAMPLED 229 TOTAL HOURS 935.5 TONS OF SAMPLED HAULS 1937. TOTAL HAULS 392.
 AVE DEPTH/HAUL 221.2 AVE MINUTES/HAUL 143.2 TOTAL CATCH TONS 3035.42 TOTAL SAMPLE TONS 1902.102

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	68339.133	2904.417	6209.335264	0.95684269	1.95724	PACIFIC HAKE
2	2260.277	96.062	205.370179	0.03164702	4.65993	JACK MACKEREL
3	268.792	11.424	24.422568	0.00376346	4.00940	SABLEFISH (BLACK COD)
4	147.244	6.258	13.378711	0.00206163	2.63334	WIDOW ROCKFISH
5	103.613	4.404	9.414377	0.00145073	3.53825	YELLOWTAIL ROCKFISH
6	36.550	1.553	3.320914	0.00051174	1.67140	PACIFIC OCEAN PERCH
7	33.982	1.444	3.087633	0.00047580	0.61518	SHORTSPINE THORNYHEAD ROC
8	28.645	1.217	2.602701	0.00040107	1.69633	SQUID - UNIDENT.
9	25.808	1.097	2.344940	0.00036135	0.87390	SPLITNOSE ROCKFISH
10	25.640	1.090	2.329706	0.00035900	6.09886	CANARY ROCKFISH
11	21.778	0.926	1.978766	0.00030492	4.57873	ROUGHEYE ROCKFISH
12	11.363	0.483	1.032476	0.00015910	2.43688	SPINY DOGFISH SHARK
13	10.548	0.465	0.994697	0.00015329	8.35896	SALMON - UNIDENT.
14	10.681	0.454	0.970516	0.00014955	3.83703	RED BANDED ROCKFISH
15	10.545	0.448	0.958133	0.00014765	7.15000	SHORTTRAKER ROCKFISH
16	9.636	0.410	0.875567	0.00013492	58.15392	BLUE SHARK
17	7.798	0.331	0.708521	0.00010918	12.42572	SKATE - UNIDENT.
18	7.523	0.320	0.683577	0.00010534	1.86155	BROWN CAT SHARK
19	7.431	0.316	0.675145	0.00010404	67.01037	RAGFISH
20	6.917	0.294	0.628483	0.00009685	2.79760	ARROWTOOTH FLOUNDER (TURB
21	6.812	0.289	0.618919	0.00009537	1.63538	DARK BLOTCHED ROCKFISH
22	4.801	0.204	0.436232	0.00006722	0.45203	REX SOLE
23	4.635	0.197	0.421125	0.00006499	9.79473	LONGNOSE SKATE
24	4.386	0.186	0.398507	0.00006141	10.79384	BOCACCI
25	3.565	0.152	0.323923	0.00004992	4.11447	YELLOWEYE ROCKFISH (RASPH
26	3.108	0.132	0.282428	0.00004352	1.33816	FLATHEAD SOLE
27	2.697	0.115	0.245064	0.00003776	11.18911	BIG SKATE
28	2.160	0.092	0.196239	0.00003024	2.43491	AMERICAN SHAD
29	1.856	0.079	0.168595	0.00002598	1.37877	AURORA ROCKFISH
30	1.570	0.067	0.142614	0.00002198	8.51400	KING-OF-THE-SALMON
31	1.436	0.061	0.130454	0.00002010	3.24500	DUSKY ROCKFISH
32	1.407	0.060	0.127874	0.00001971	1.06029	JELLYFISH - UNIDENT.
33	1.184	0.050	0.107607	0.00001658	1.39652	REDSTRIPE ROCKFISH
34	0.811	0.034	0.073703	0.00001136	44.00000	THRESHER SHARK
35	0.742	0.032	0.067438	0.00001039	13.42000	LINGCOD
36	0.706	0.030	0.064121	0.00000988	2.39250	ROCKFISH - UNIDENT.
37	0.685	0.029	0.062279	0.00000960	1.16188	GREENSTRIPED ROCKFISH
38	0.665	0.028	0.060379	0.00000930	1.45861	RATFISH
39	0.522	0.022	0.047391	0.00000730	0.78589	ROCK SOLE
40	0.466	0.021	0.044119	0.00000680	0.84853	DOVER SOLE

Table D-19.--Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during August 16-October 31 (season 2), 1979.

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
41	0.339	0.014	0.030764	0.00000474	0.23655	PACIFIC LAMPREY
42	0.320	0.014	0.029113	0.00000449	2.46286	WALLEYE POLLOCK
43	0.304	0.013	0.027638	0.00000426	8.25000	BLACK SKATE (SANDPAPER -
44	0.243	0.010	0.022111	0.00000341	2.64000	VERMILION ROCKFISH
45	0.207	0.009	0.018794	0.00000290	5.61000	SILVERGRAY ROCKFISH
46	0.207	0.009	0.018794	0.00000290	3.74000	YELLOWMOUTH ROCKFISH
47	0.170	0.007	0.015404	0.00000237	1.02178	ENGLISH SOLE (LEMON SOLE)
48	0.162	0.007	0.014741	0.00000227	8.80000	OCEAN SUNFISH
49	0.143	0.006	0.013009	0.00000200	0.59738	GREENLAND HALIBUT (TURBOT
50	0.130	0.006	0.011792	0.00000182	0.44000	SHORTBELLY ROCKFISH
51	0.112	0.005	0.010171	0.00000157	1.51800	PETRALE SOLE
52	0.105	0.004	0.009581	0.00000148	0.63556	OCTOPUS - UNIDENT.
53	0.091	0.004	0.008275	0.00000128	1.23735	DUNGENESS CRAB
54	0.087	0.004	0.007886	0.00000122	1.56933	PACIFIC HALIBUT
55	0.081	0.003	0.007370	0.00000114	0.29333	PACIFIC HERRING
56	0.069	0.003	0.006265	0.00000097	3.74000	CHILIPEPPER ROCKFISH
57	0.065	0.003	0.005896	0.00000091	3.52000	PACIFIC COD
58	0.032	0.001	0.002874	0.00000044	0.42900	HAGFISH - UNIDENT.
59	0.020	0.001	0.001843	0.00000028	0.13750	GUNNEL - UNIDENT.
60	0.020	0.001	0.001843	0.00000028	1.10000	MISC - UNIDENT.
61	0.018	0.001	0.001658	0.00000026	0.19800	EELPOUT - UNIDENT.
62	0.010	0.000	0.000921	0.00000014	0.55000	SANDFISH
63	0.006	0.000	0.000553	0.00000009	0.33000	LONGFIN DRAGONFISH
64	0.004	0.000	0.000369	0.00000006	0.22000	BIGFIN EELPOUT
65	0.004	0.000	0.000369	0.00000006	0.22000	PACIFIC TOMCOD
66	0.004	0.000	0.000369	0.00000006	0.22000	PACIFIC SAND LANCE
67	0.000	0.000	0.000037	0.00000001	0.02200	POACHER - UNIDENT.
TOTAL 71421.492						

Table D-19.--(continued)

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 79 SEASON 1 AREA EUREKA LG FRZ TRAWL POLAND DATE 6/ 6 TO 8/13 DAYS ON GROUNDS 92.750
 FISHING-DAYS 103 HAULS SAMPLED 191 TOTAL HOURS 1078.5 TONS OF SAMPLED HAULS 1940. TOTAL HAULS 357.
 AVE DEPTH/HAUL 149.9 AVE MINUTES/HAUL 181.3 TOTAL CATCH TONS 3415.09 TOTAL SAMPLE TONS 1918.151

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	73362.909	3402.220	6309.364382	0.99623044	1.53140	PACIFIC HAKE
2	77.304	3.585	6.648347	0.00104975	8.74957	KING-OF-THE-SALMON
3	56.111	2.602	4.825647	0.00076196	4.52899	SQUID - UNIDENT.
4	41.031	1.903	3.528747	0.00055718	2.98564	WIDOW ROCKFISH
5	28.537	1.323	2.454236	0.00038752	1.93355	SABLEFISH (BLACK COD)
6	20.455	0.949	1.759143	0.00027776	4.41713	JACK HACKEREL
7	10.495	0.487	0.902551	0.00014251	11.20786	SALMON - UNIDENT.
8	9.720	0.451	0.835942	0.00013199	32.01000	LONGNOSE SKATE
9	7.825	0.363	0.672932	0.00010625	0.18376	JELLYFISH - UNIDENT.
10	5.889	0.273	0.506456	0.00007997	2.01802	SPINY DOGFISH SHARK
11	4.266	0.199	0.368568	0.00005820	37.82948	BIG SKATE
12	3.208	0.177	0.327483	0.00005171	66.86000	BLUE SHARK
13	3.165	0.147	0.272184	0.00004298	6.17630	BACCACCIO
14	2.501	0.116	0.215050	0.00003396	43.92667	RAGFISH
15	1.587	0.092	0.170851	0.00002698	26.16900	SKATE - UNIDENT.
16	1.137	0.053	0.097742	0.00001543	1.99613	BROWN CAT SHARK
17	1.069	0.050	0.091925	0.00001451	11.26400	LINGCOD
18	0.505	0.023	0.043449	0.00000686	2.95778	YELLOWTAIL ROCKFISH
19	0.395	0.018	0.033933	0.00000536	0.90391	MEDUSAFISH
20	0.292	0.014	0.025126	0.00000397	7.70000	OCTOPUS - UNIDENT.
21	0.143	0.007	0.012277	0.00000194	3.68500	YELLOW EYE ROCKFISH (CRASPH)
22	0.138	0.006	0.011886	0.00000188	2.42734	MISC - UNIDENT.
23	0.114	0.005	0.009776	0.00000154	1.48962	PACIFIC OCEAN PERCH
24	0.100	0.005	0.008618	0.00000136	5.28000	CANARY ROCKFISH
25	0.095	0.004	0.008151	0.00000129	2.49700	PACIFIC POMFRET
26	0.092	0.004	0.007900	0.00000125	0.80667	SPLITNOSE ROCKFISH
27	0.091	0.004	0.007796	0.00000123	2.44583	DARK BLOTCHED ROCKFISH
28	0.062	0.003	0.005350	0.00000084	0.19282	FISH - UNIDENT.
29	0.062	0.003	0.005314	0.00000084	3.25600	CHILIPEPPER ROCKFISH
30	0.052	0.002	0.004448	0.00000070	0.15151	WOLF-EEL
31	0.021	0.001	0.001831	0.00000029	1.12200	AURORA ROCKFISH
32	0.021	0.001	0.001795	0.00000028	1.10000	SHARPCHEIN ROCKFISH
33	0.021	0.001	0.001795	0.00000028	1.10000	SHORTSPINE THORNYHEAD ROC
34	0.021	0.001	0.001795	0.00000028	0.11000	RONQUIL - UNIDENT.
35	0.018	0.001	0.001508	0.00000024	0.11550	PACIFIC LAMPREY
36	0.017	0.001	0.001436	0.00000023	0.88000	RIBBON BARRACUDINA
37	0.013	0.001	0.001077	0.00000017	0.66000	BARRACUDINA - UNIDENT.
38	0.003	0.000	0.000287	0.00000005	0.04400	LANTERNFISH - UNIDENT.
TOTAL 73640.500						

Table D-20. --Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 1), 1979.

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 80 SEASON 1 AREA COLUMBIA LG FRZ TRAWL POLAND DATE 6/24 TO 8/15 DAYS ON GROUND 89-200
 FISHING-DAYS 88 HAULS SAMPLED 177 TOTAL HOURS 837.3 TONS OF SAMPLED HAULS 1166. TOTAL HAULS 330.
 AVE DEPTH/HAUL 186.8 AVE MINUTES/HAUL 152.2 TOTAL CATCH TONS 2045.32 TOTAL SAMPLE TONS 1078.107

RANK	MEAN LB/DAY	TPNS	LB/HR	PROPRY	AVERAGE LB/FISH	
1	42027.087	1874.402	4477.074356	0.91643243	1.67180	PACIFIC HAKE
2	1712.027	76.624	183.018483	0.03746287	1.47518	WIDOW ROCKFISH
3	832.682	37.138	88.704238	0.01815727	3.85185	YELLOWTAIL ROCKFISH
4	311.208	13.880	33.152482	0.00678613	1.93896	DARK BLOTCHED ROCKFISH
5	240.292	10.717	25.557904	0.00523975	2.91792	JACK MACKEREL
6	209.148	9.328	22.280212	0.00456064	1.31113	SPLITNOSE ROCKFISH
7	132.311	5.901	14.094833	0.00288513	1.64049	PACIFIC OCEAN PERCH
8	122.746	5.474	13.075910	0.00267657	0.70864	REDSTRIPE ROCKFISH
9	102.911	4.590	10.962922	0.00224405	2.17733	SABLEFISH (BLACK COD)
10	39.125	1.745	4.167890	0.00085314	23.86952	SQUID - UNIDENT.
11	26.361	1.176	2.808172	0.00057482	8.38245	SALMON - UNIDENT.
12	13.808	0.616	1.470971	0.00030110	5.38204	CANARY ROCKFISH
13	12.657	0.565	1.348347	0.00027600	7.07143	KING-OF-THE-SALMON
14	11.179	0.499	1.190924	0.00024378	9.97140	LINGCOD
15	10.818	0.482	1.152433	0.00023590	550.00000	SIXGILL SHARK
16	7.741	0.345	0.824681	0.00016881	4.42225	JELLYFISH - UNIDENT.
17	7.265	0.324	0.773954	0.00015842	2.32498	SPINY DOGFISH SHARK
18	4.809	0.214	0.512244	0.00010485	0.64983	SHORTSPINE THORNYHEAD ROC
19	4.327	0.193	0.460973	0.00009436	73.33333	SHARK - UNIDENT.
20	3.825	0.171	0.407474	0.00008341	19.44845	SKATE - UNIDENT.
21	3.029	0.135	0.322681	0.00006605	25.66667	LONGNOSE SKATE
22	2.596	0.116	0.276584	0.00005662	66.00000	SOUPFIN SHARK
23	2.398	0.107	0.255476	0.00005229	8.38735	BQCACCIO
24	2.229	0.099	0.237401	0.00004859	16.18571	BIG SKATE
25	1.841	0.082	0.196152	0.00004015	0.43897	SHARPCHIN ROCKFISH
26	1.341	0.060	0.142902	0.00002925	17.05000	RAGFISH
27	1.157	0.052	0.123218	0.00002522	6.53400	PACIFIC HALIBUT
28	1.099	0.049	0.117041	0.00002396	3.49113	ARROWTOOTH FLOUNDER (TURB
29	0.867	0.039	0.092379	0.00001891	0.41592	REX SOLE
30	0.701	0.031	0.074678	0.00001529	3.56400	ROUGHEYE ROCKFISH
31	0.641	0.029	0.068330	0.00001399	16.50000	SHORTTRAKER ROCKFISH
32	0.625	0.028	0.066534	0.00001362	5.95375	SILVERGRAY ROCKFISH
33	0.550	0.025	0.058544	0.00001198	6.98500	PACIFIC TOMCOD
34	0.476	0.021	0.050715	0.00001038	2.90379	GREENLAND HALIBUT (TURBOT
35	0.201	0.009	0.021435	0.00000439	1.02300	AMERICAN SHAD
36	0.179	0.008	0.019118	0.00000391	4.56412	RED BANDED ROCKFISH
37	0.178	0.008	0.018931	0.00000387	0.25813	PACIFIC HERRING
38	0.164	0.007	0.017517	0.00000359	8.36000	PACIFIC ELECTRIC RAY
39	0.123	0.005	0.013100	0.00000268	0.04769	WHITEBAIT SMELT
40	0.114	0.005	0.012170	0.00000249	0.06914	EULACHON (CANDLEFISH)

Table D-21.--Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during June 1-August 15 (season 1), 1980.

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
41	0.027	0.004	0.009219	0.00000189	1.46667	BROWN CAT SHARK
42	0.022	0.004	0.008758	0.00000179	0.46444	SHORTBELLY ROCKFISH
43	0.030	0.004	0.008543	0.00000175	0.43686	PACIFIC LAMPREY
44	0.078	0.003	0.008298	0.00000170	1.32000	DOVER SOLE
45	0.061	0.003	0.006454	0.00000132	3.08000	PACIFIC COD
46	0.061	0.003	0.006454	0.00000132	1.02667	RATFISH
47	0.048	0.002	0.005071	0.00000104	0.80667	ROCKFISH - UNIDENT.
48	0.030	0.001	0.003227	0.00000066	1.54000	CHILIPEPPER ROCKFISH
49	0.030	0.001	0.003181	0.00000065	0.50600	FLATHEAD SOLE
50	0.022	0.001	0.002305	0.00000047	0.66000	PACIFIC SANDAB
51	0.015	0.001	0.001613	0.00000033	0.38500	SLENDER SOLE
52	0.013	0.001	0.001363	0.00000028	0.22000	FISH - UNIDENT.
53	0.004	0.000	0.000461	0.00000009	0.22000	SEA ANEMONE - UNIDENT.
54	0.001	0.000	0.000092	0.00000002	0.01467	CALIFORNIA HEADLIGHTFISH
55	0.001	0.000	0.000092	0.00000002	0.02200	SHRIMP - UNIDENT.
TOTAL		45859.450				

Table D-21.--(continued)

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 80 SEASON 2 AREA COLUMBIA LG FRZ TRAWL POLAND DATE 8/16 TO 10/23 DAYS ON GROUNDS 202.126
 FISHING-DAYS 200 HAULS SAMPLED 451 TOTAL HOURS 2074.7 TONS OF SAMPLED HAULS 5485. TOTAL HAULS 767.
 AVE DEPTH/HAUL 199.8 AVE MINUTES/HAUL 162.3 TOTAL CATCH TONS 7816.02 TOTAL SAMPLE TONS 4382.017

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	69646.807	7038.729	6785.407277	0.90055192	1.67137	PACIFIC HAKE
2	5435.460	549.325	529.554922	0.07028196	4.26194	JACK MACKEREL
3	940.970	95.097	91.674936	0.01216700	2.90957	WIDOW ROCKFISH
4	550.451	55.630	53.628200	0.00711748	3.72721	YELLOWTAIL ROCKFISH
5	350.293	35.402	34.127602	0.00452938	1.93094	SABLEFISH (BLACK COD)
6	79.840	8.069	7.778525	0.00103236	4.85447	CANARY ROCKFISH
7	46.489	4.698	4.529264	0.00060112	1.82126	SPINY DOGFISH SHARK
8	34.411	3.478	3.352505	0.00044494	2.69372	AMERICAN SHAD
9	32.330	3.267	3.149738	0.00041803	1.77400	DARK BLOTCHED ROCKFISH
10	26.691	2.697	2.600413	0.00034512	1.05552	REDSTRIPE ROCKFISH
11	24.626	2.489	2.399169	0.00031842	753.06586	THRESHER SHARK
12	24.616	2.488	2.398205	0.00031829	0.25710	PACIFIC HERRING
13	24.559	2.482	2.392676	0.00031755	1.92984	SQUID - UNIDENT.
14	20.897	2.112	2.035903	0.00027020	7.39419	SALMON - UNIDENT.
15	20.347	2.056	1.982293	0.00026309	1.50924	PACIFIC OCEAN PERCH
16	11.574	1.170	1.127623	0.00014966	7.94868	BOCACCID
17	9.884	0.999	0.962920	0.00012780	0.94072	SPLITNOSE ROCKFISH
18	7.215	0.729	0.702904	0.00009329	16.56651	LINGCOD
19	6.490	0.656	0.632333	0.00008392	9.51029	KING-OF-THE-SALMON
20	5.849	0.591	0.569857	0.00007563	1.20496	JELLYFISH - UNIDENT.
21	5.009	0.506	0.488008	0.00006477	20.12852	BIG SKATE
22	4.837	0.489	0.471272	0.00006255	57.30343	GIANT SQUID
23	4.116	0.416	0.400981	0.00005322	0.65289	SHORTSPINE THORNYHEAD ROC
24	3.474	0.351	0.338490	0.00004492	16.22083	LONGNOSE SKATE
25	3.074	0.311	0.299531	0.00003975	10.95584	YELLOW EYE ROCKFISH (CRASPH
26	2.346	0.237	0.226593	0.00003034	48.44180	BLUE SHARK
27	2.028	0.205	0.197598	0.00002623	2.80729	ARROWTOOTH FLOUNDER (TURB
28	1.864	0.188	0.181615	0.00002410	1.88549	YELLOWMOUTH ROCKFISH
29	1.805	0.182	0.175849	0.00002334	0.42156	REX SOLE
30	1.611	0.163	0.156983	0.00002083	1.13659	GREENSTRIPED ROCKFISH
31	1.579	0.160	0.153826	0.00002042	1.95319	BROWN CAT SHARK
32	0.516	0.093	0.089241	0.00001184	17.44763	PACIFIC ELECTRIC RAY
33	0.726	0.073	0.070763	0.00000939	39.40770	PACIFIC HALIBUT
34	0.538	0.054	0.052397	0.00000695	3.24645	ROUGHEYE ROCKFISH
35	0.469	0.047	0.045676	0.00000606	1.17462	ENGLISH SOLE (LEMON SOLE)
36	0.330	0.033	0.032106	0.00000426	1.08279	DOVER SOLE
37	0.245	0.025	0.023890	0.00000317	8.55746	PACIFIC COD
38	0.242	0.024	0.023571	0.00000313	8.58000	SHORTRAKER ROCKFISH
39	0.242	0.024	0.023530	0.00000312	6.62110	STARRY SKATE
40	0.229	0.023	0.022337	0.00000296	9.19211	GIANT WRYMOUTH

Table D-22. --Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Columbia Area during August 16-October 31 (season 2), 1980.

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
41	0.223	0.023	0.021757	0.00000289	31.68000	OCEAN SUNFISH
42	0.212	0.021	0.020700	0.00000275	3.34889	RED BANDED ROCKFISH
43	0.177	0.018	0.017291	0.00000229	2.23001	BLACK SKATE (SANDPAPER -
44	0.149	0.015	0.014487	0.00000192	0.13940	SEA PEN, SEA WHIP - UNIDE
45	0.147	0.015	0.014310	0.00000190	0.13191	EULACHON (CANDLEFISH)
46	0.136	0.014	0.013296	0.00000176	1.76000	ROCK SOLE
47	0.124	0.013	0.012087	0.00000160	17.60000	SOUPFIN SHARK
48	0.119	0.012	0.011555	0.00000153	1.55648	SHARPCIN ROCKFISH
49	0.116	0.012	0.011326	0.00000150	3.29918	PETRALE SOLE
50	0.059	0.010	0.009608	0.00000128	5.72000	SILVERGRAY ROCKFISH
51	0.088	0.009	0.008608	0.00000114	4.17989	QUILLBACK ROCKFISH
52	0.067	0.007	0.006497	0.00000096	0.21022	STARFISH - UNIDENT.
53	0.064	0.006	0.006200	0.00000082	0.04065	NIGHT SMELT
54	0.053	0.005	0.005137	0.00000068	3.74000	PACIFIC POMPANO
55	0.052	0.005	0.005110	0.00000068	0.08323	SHRIMP - UNIDENT.
56	0.049	0.005	0.004769	0.00000063	0.02614	BASKET STARFISH
57	0.047	0.005	0.004623	0.00000061	2.24400	WOLF-EEL
58	0.045	0.005	0.004415	0.00000059	0.10989	PACIFIC LAMPREY
59	0.045	0.005	0.004373	0.00000058	0.56560	STRIPETAILED ROCKFISH
60	0.045	0.004	0.004336	0.00000058	1.26280	RATFISH
61	0.043	0.004	0.004231	0.00000056	1.02667	GREENSPOTTED ROCKFISH
62	0.037	0.004	0.003626	0.00000048	2.64000	FLAG ROCKFISH
63	0.035	0.004	0.003439	0.00000046	0.13243	SMELT - UNIDENT.
64	0.028	0.003	0.002720	0.00000036	3.96000	SEA ANEMONE - UNIDENT.
65	0.028	0.003	0.002720	0.00000036	3.96000	TIGER ROCKFISH
66	0.028	0.003	0.002720	0.00000036	3.96000	BIRDS - UNIDENT.
67	0.026	0.003	0.002565	0.00000034	0.81990	MISC - UNIDENT.
68	0.023	0.002	0.002286	0.00000030	0.75870	FLATHEAD SOLE
69	0.023	0.002	0.002266	0.00000030	3.30000	GREENLAND HALIBUT (TURBOT
70	0.021	0.002	0.002072	0.00000028	2.11200	WALLEYE POLLOCK
71	0.017	0.002	0.001614	0.00000021	0.14667	PYGMY ROCKFISH
72	0.016	0.002	0.001511	0.00000020	2.20000	MANEFISH
73	0.009	0.001	0.000876	0.00000012	0.06716	LANTERNFISH - UNIDENT.
74	0.008	0.001	0.000755	0.00000010	1.10000	BLACK ROCKFISH
75	0.007	0.001	0.000680	0.00000009	0.99000	OCTOPUS - UNIDENT.
76	0.006	0.001	0.000604	0.00000008	0.88000	MOTTLED EELPOUT
77	0.005	0.001	0.000514	0.00000007	0.09350	LONGFIN DRAGONFISH
78	0.005	0.001	0.000503	0.00000007	0.14667	GUNNEL - UNIDENT.
79	0.005	0.000	0.000453	0.00000006	0.66000	PACIFIC SANDBAR
80	0.002	0.000	0.000212	0.00000003	0.07700	PACIFIC VIPERFISH
81	0.002	0.000	0.000151	0.00000002	0.11000	RAINBOW SMELT
82	0.002	0.000	0.000151	0.00000002	0.22000	BLACKTIP POACHER
83	0.001	0.000	0.000076	0.00000001	0.11000	EELPOUT - UNIDENT.
84	0.000	0.000	0.000030	0.00000000	0.01467	SKATE EGG CASE - UNIDENT.

TOTAL 77337.914

Table D-22.--(continued)

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 80	SEASON	1	AREA EUREKA	LG FRZ TRAWL	POLAND	DATE 7/ 1 TO 7/30	DAYS ON GROUNDS	18.382	
FISHING-DAYS	20	HAULS SAMPLED	44	TOTAL HOURS	218.9	TONS OF SAMPLED HAULS	277.	TOTAL HAULS	79.
AVE DEPTH/HAUL	166.8	AVE MINUTES/HAUL	166.3	TOTAL CATCH TONS	476.14	TOTAL SAMPLE TONS	277.475		

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	51330.732	471.770	4310.374499	0.99083346	1.42369	PACIFIC HAKE
2	277.337	2.549	23.288719	0.00535342	6.11292	KING-OF-THE-SALMON
3	124.169	1.141	10.426806	0.00239683	3.82218	JACK HACKEREL
4	46.417	0.427	3.897722	0.00089598	17.75793	SQUID - UNIDENT.
5	8.678	0.082	0.745536	0.00017138	0.02719	CALIFORNIA HEADLIGHTFISH
6	6.880	0.063	0.577734	0.00013280	0.99595	SPLITNOSE ROCKFISH
7	4.816	0.044	0.404414	0.00009296	2.45667	PACIFIC OCEAN PERCH
8	3.738	0.034	0.313873	0.00007215	3.33667	JELLYFISH - UNIDENT.
9	1.010	0.009	0.084849	0.00001950	2.16480	SPINY DOGFISH SHARK
10	0.575	0.005	0.048288	0.00001110	3.08000	PACIFIC POMFRET
11	0.513	0.005	0.043114	0.00000991	2.75000	DARK BLOTCHED ROCKFISH
12	0.205	0.002	0.017246	0.00000396	2.20000	OCTOPUS - UNIDENT.
13	0.205	0.002	0.017246	0.00000396	2.20000	SABLEFISH (BLACK COD)
14	0.092	0.001	0.007761	0.00000178	0.33000	SHORTSPINE THORNYHEAD ROC
15	0.021	0.000	0.001725	0.00000040	0.22000	REX SOLE
16	0.012	0.000	0.001035	0.00000024	0.04400	PACIFIC LAMPREY
17	0.004	0.000	0.000345	0.00000008	0.01100	PACIFIC VIPERFISH
18	0.003	0.000	0.000259	0.00000006	0.00660	LANTERNFISH - UNIDENT.
19	0.001	0.000	0.000086	0.00000002	0.01100	BARRACUDINA - UNIDENT.
TOTAL						51805.610

Table D-23.--Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during June 1-August 15 (season 1), 1980.

SPECIES COMPOSITION OBSERVER DATA BY AREA-TIME-NATION-VESSEL-CLASS

YEAR 80 SEASON 2 AREA EUREKA LG FRZ TRAWL POLAND DATE 8/19 TO 10/15 DAYS ON GROUNDS 18.875
 FISHING-DAYS 12 HAULS SAMPLED 14 TOTAL HOURS 72.1 TONS OF SAMPLED HAULS 175. TOTAL HAULS 19.
 AVE DEPTH/HAUL 327.1 AVE MINUTES/HAUL 227.6 TOTAL CATCH TONS 188.69 TOTAL SAMPLE TONS 88.382

RANK	MEAN LB/DAY	TONS	LB/HR	PROPORT	AVERAGE LB/FISH	
1	19101.177	180.265	5001.584601	0.95533215	1.19014	PACIFIC HAKE
2	338.565	3.195	88.657528	0.01693411	1.09513	SPLITNOSE ROCKFISH
3	168.994	1.784	49.487628	0.00945243	1.83497	PACIFIC OCEAN PERCH
4	151.069	1.426	39.557019	0.00755562	2.75747	SABLEFISH (BLACK COD)
5	70.865	0.669	18.555790	0.00354427	1.70893	BROWN CAT SHARK
6	65.571	0.619	17.169471	0.00327947	5.57771	KING-OF-THE-SALMON
7	31.940	0.301	8.363265	0.00159743	2.16357	DARK BLOTCHED ROCKFISH
8	17.737	0.167	4.644374	0.00088710	4.27363	JACK MACKEREL
9	7.548	0.071	1.976373	0.00037750	2.38827	SQUID - UNIDENT.
10	6.813	0.064	1.783971	0.00034075	2.92316	SPINY DOGFISH SHARK
11	3.882	0.036	1.011362	0.00019318	16.94000	SALMON - UNIDENT.
12	3.398	0.032	0.889867	0.00016997	29.81000	RAGFISH
13	1.626	0.015	0.425743	0.00008132	0.74773	SHORTSPINE THORNYHEAD ROC
14	1.321	0.012	0.345877	0.00006606	0.34760	REX SOLE
15	1.273	0.012	0.333335	0.00006367	2.50211	JELLYFISH - UNIDENT.
16	0.502	0.005	0.131457	0.00002511	3.01039	WIDOW ROCKFISH
17	0.477	0.004	0.124778	0.00002383	0.92889	MEDUSAFISH
18	0.351	0.003	0.091942	0.00001756	1.23200	ROUNDFISH - UNIDENT.
19	0.339	0.003	0.086658	0.00001693	1.98000	RED BANDED ROCKFISH
20	0.278	0.003	0.072718	0.00001389	5.06000	CANARY ROCKFISH
21	0.205	0.002	0.053748	0.00001027	3.74000	YELLOWTAIL ROCKFISH
22	0.188	0.002	0.049255	0.00000941	0.03300	LANTERNFISH - UNIDENT.
23	0.157	0.001	0.041046	0.00000784	2.75000	FISH - UNIDENT.
24	0.003	0.000	0.000657	0.00000013	0.04400	PACIFIC LAMPREY
TOTAL	19994.278					

Table D-24.--Species composition of Polish catches in the International North Pacific Fisheries Commission (INPFC) Eureka Area during August 16-October 31. (season 2), 1980.